3/28/88 A 8050-3

REPORT

STATISTICAL

No. 44-88 March 25, 1988

U.S. FOREIGN TRADE IN MACHINE TOOLS - 1987

Significant improvement was achieved in the machine tool trade deficit in 1987, which stood at $1,345.0 million for the year. This represents a 19% decline from 1986's deficit of $1661.5 million. The reduction in the trade deficit was due to improvement in both imports and exports. Imports declined by 11% from their 1986 total of $2,251.8 million and exports increased by 10% from their 1986 level of $590.3 million.

U.S. Machine Tool Trade
($Millions)

	4th Quarter 1987			Annual 1987		
	Exports	Imports	Surplus (Deficit)	Exports	Imports	Surplus (Deficit)
Metal Cutting	$102.5	$332.3	($229.8)	$383.5	$1,435.9	($1,052.4)
Metal Forming	$ 70.4	$141.1	($ 70.7)	$266.9	$ 559.5	($ 292.6)
Total	$172.8	$473.4	($300.6)	$650.4	$1,995.4	($1,345.0)

EXPORTS

U.S. exports of metal cutting machinery increased 3 percentage points from last year to $383.5 million. Metal forming exports of machine tools jumped 22% to $266.9 million.

All regions in the export market displayed increases over last year except for Europe which fell 4%. The leading regional market is Asia, up 16% from 1986 to $238.8 million.

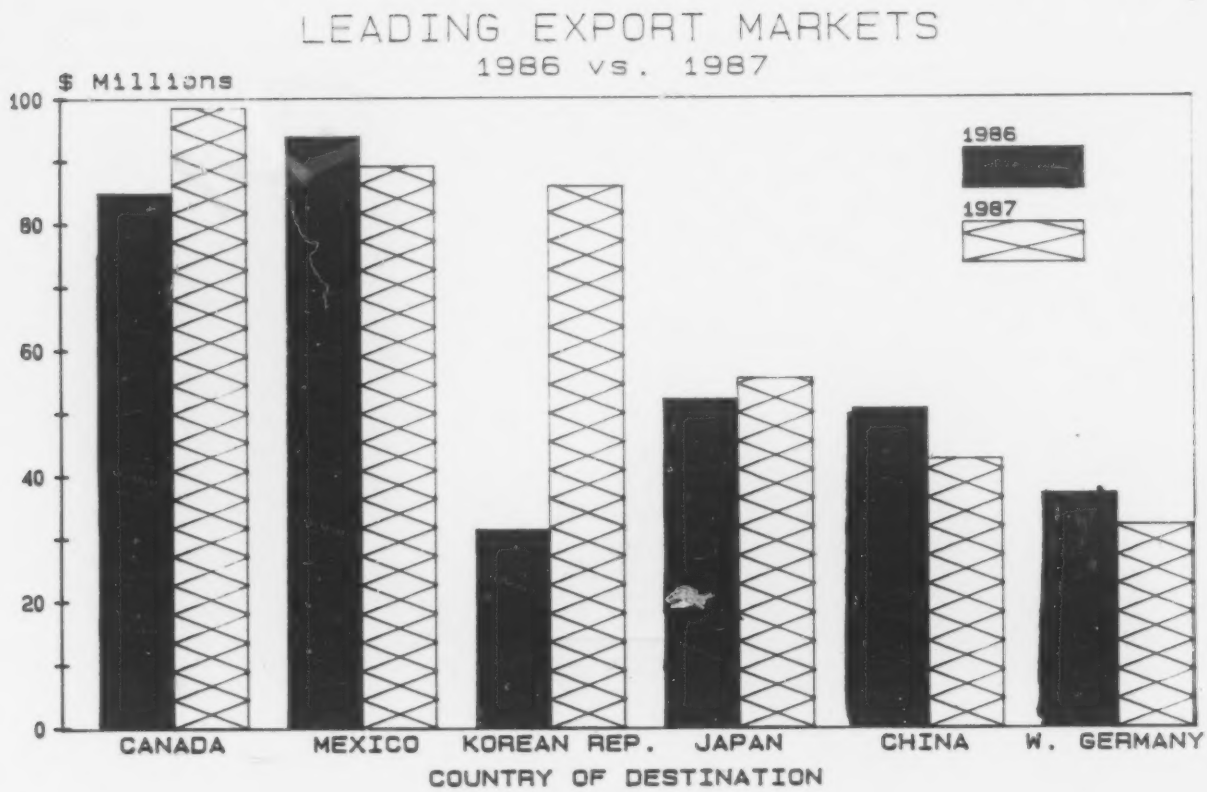
	U.S. Exports-1987 $ Mil.	% of Total	U.S. Exports-1986 $ Mil.	% of Total	%Change 87:86 Dollar Value
Asia	$238.8	36.7%	$206.6	35.0%	+ 15.6%
N & C America	191.3	29.4	181.2	30.7	+ 5.6
Europe	154.3	23.7	161.1	27.3	- 4.2
South America	47.4	7.3	29.1	4.9	+ 62.9
Oceania	12.4	1.9	8.9	1.5	+ 39.3
Africa	6.2	1.0	3.3	0.6	+ 87.9
	$650.4	100.0%	$590.3	100.0%	+ 10.2%

Exports to six countries represented 62% of total U.S. machine tool exports. Ranked by dollar value, the leading markets were:

	U.S. Exports-1987 $ Mil.	% of Total	U.S. Exports-1986 $ Mil.	% of Total	%Change 87:86 Dollar Value
Canada	$ 98.5	15.1%	$ 85.0	14.4%	+ 15.9%
Mexico	89.1	13.7	93.9	15.9	- 5.1
Korean Republic	85.9	13.2	31.4	5.3	+173.6
Japan	55.4	8.5	52.1	8.8	+ 6.3
China	42.5	6.5	50.5	8.5	- 15.8
West Germany	32.0	4.9	37.0	6.3	- 13.5
	$403.3	62.0%	$349.8	59.3%	+ 15.3%

For every month of 1987, Canada displayed the highest dollar value of U.S. exports of machine tools, accounting for 15% of the total. Metal cutting machine tool exports jumped 39% from 1986 to $60.5 million for the current year. Exports of metal forming machinery decreased 8% to $38.0 million.

Mexico ranked second in U.S. export markets of machine tools, down 5% from last year's total of $93.9 million to $89.1 million. Exports of metal cutting machines fell 14% to $54.9 million while metal forming machinery increased 13% to $34.1 million.



Out of the six leading markets for U.S. exports, the Korean Republic displayed the largest percentage change in $ value over 1986, up 174% to $85.9 million. This is the result of sustained economic development and a growing domestic consumer demand. Exports of metal cutting machine tools increased from $19.2 million to $44.3 million while the metal forming sector rose from $12.2 million to $41.5 million.

U.S. exports to Japan represented 9% of the total in 1987, up from $52.1 million in 1986 to $55.4 million. Exports of metal cutting machine tools to Japan fell 18% from 1986 to $29.3 million. Metal forming exports rose 59%, up from $16.4 million to $26.1 million.

China's share of U.S. exports fell 2 percentage points to 7%. This resulted in a dollar value decrease of 16%, down from $50.5 million to $42.5 million. Although exports of metal cutting machinery fell 36% to $22.1 million, metal forming exports increased 30% to $20.4 million.

West Germany's share of U.S. exports stood at 5% in 1987, totaling $32.0 million. Both, metal cutting and metal forming exports of machine tools dropped from their last year's totals, falling 7% and 22%, respectively. Metal cutting machinery fell to $19.5 million while metal forming machine tools totaled $12.5 million.

IMPORTS

The reported dollar value of U.S. machine tool imports stood at $1,995.4 million during 1987. This represented an 11% decrease from last year's total of $2,251.8 million. Imports of metal cutting machine tools dropped 13% from 1986 to $1,435.9 million. Metal forming imports of $559.5 million were 6% below their 1986 total of $597.2 million. It should be noted that machine tool imports, as reflected in the government statistics, are actually undervalued. They reflect values in the country of origin and do not include ocean freight, insurance, dealer's commissions, or import duties. The purchaser in this country is paying significantly more for imported machine tools than is reported in the government import statistics.

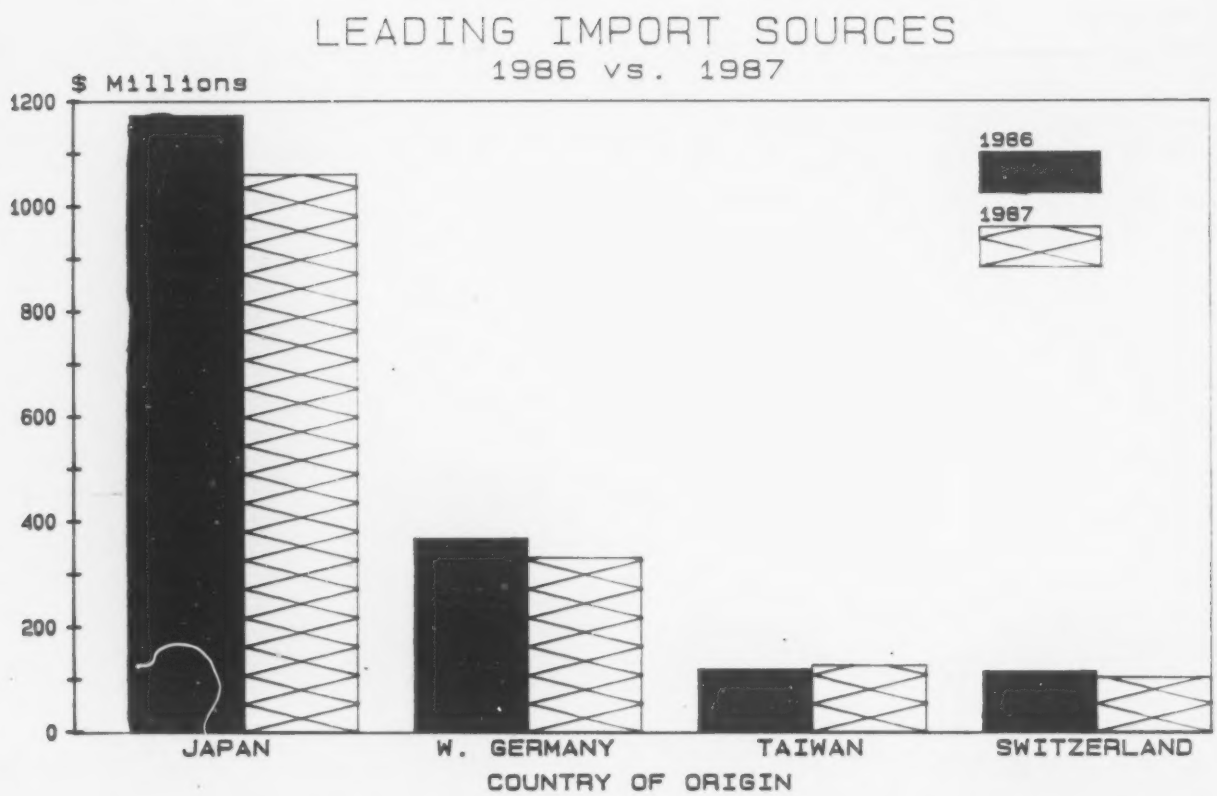
In 1987, four countries supplied 81% of U.S. machine tool imports. The dollar value of these countries' combined shipment total to the U.S. fell 9% below last year's level.

	U.S. Imports-1987		U.S. Imports-1986		%Change 87:86
	$ Mil.	% of Total	$ Mil.	% of Total	Dollar Value
Japan	$1,061.2	53.2%	$1,173.6	52.1%	- 9.6%
West Germany	332.0	16.6	367.9	16.3	- 9.8
Taiwan	127.5	6.4	119.3	5.3	+ 6.9
Switzerland	103.6	5.2	115.3	5.1	-10.1
	$1,624.3	81.4%	$1,776.1	78.9%	- 8.5%

Japan's share of U.S. machine tool imports rose 1 percentage point to 53%. However, the total dollar value fell 10% from 1986 to $1,061.2 million. Imports of metal cutting machinery fell 14%, down from $841.8 million to $721.3 million. Metal forming imports rose slightly more than 2% from last year to $339.9 million.

West Germany supplied 17% of total U.S. machine tool imports during 1987, to stand at $332.0 million. U.S. imports of both metal cutting and metal forming machine tools fell in 1987. Metal cutting imports of $26.8 million dropped 4% while imports of metal forming machinery fell 28% to $63.9 million.

The market share of imports from Taiwan rose 1 percentage point to 6% in 1987 even though the dollar value increased 7%, up from $119.3 million to $127.5 million. Metal cutting imports increased 6% to $123.0 million. Metal forming imports rose from $3.1 million to $4.5 million.



Switzerland's total dollar value fell from $115.3 million to $103.6 million while their market share remained virtually unchanged from last year's level of 5%. Metal cutting imports were down 16% from their 1986 total of $96.6 million to $81.1 million. Imports of metal forming machines rose 21% to $22.6 million in 1987.

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U.S. IMPORTS OF MACHINE TOOLS
TOTAL AND COUNTRIES OF ORIGIN BY TYPE OF MACHINE
DECEMBER 1987

RELEASED: MARCH 25, 1988

		TOTAL YTD		TOTAL MO	
674:	METAL CUTTING	UNITS	$000	UNITS	$000
3025	Gear Hobbers	89	14510	9	1415
3035	Gear Shapers	50	6481	1	419
3045	Gear Cutting Machines, N.E.C.	35	2488	5	332
3404	Vertical Mach. Ctrs. ATC, NC, Y-Axis Travel 26" or Less	1529	127129	96	7738
3406	Vertical Mach. Ctrs. ATC, NC, Y-Axis Travel Over 26"	191	17493	2	195
3409	Horizontal Machining Centers, ATC, NC	723	113747	73	11902
3411	Machining Centers, NC, N.E.C.	471	55058	34	1831
3412	Single Station and Multi-Station Transfer Machines	102	22729	3	653
3413	Way Type Machines, (Unit Heads)	3	179	0	0
3417	Horiz. Boring-Drilling-Milling Machines, Table Type, NC	9	3699	1	345
3418	Horiz. Boring-Drilling-Milling Machines, NC, N.E.C.	103	17479	1	72
3419	Vertical Boring-Drilling-Milling Machines, NC	163	13591	4	176
3422	Horiz. Boring-Drilling-Milling Machines, Non-NC	36	2701	2	74
3423	Vertical Boring-Drilling-Milling Machines, Non-NC	233	6261	4	650
3328	Drilling Machines, NC	159	7621	21	1412
3329	Drilling Machines, Multi-Spindle, Non-NC	71	2220	3	347
3334	Drilling Machines, Radial, Non-NC	183	1071	8	101
3336	Drilling Machines, Upright, Single Spindle, Non-NC	71	680	19	228
3342	Drilling Machines, Non-NC, N.E.C.	727	17549	43	1074
3464	Milling Machines, NC	643	41285	54	2141
3466	Milling Machines, Profiling, Dupl. & Die Sinking, Non-NC	15	864	2	133
3467	Milling Machines, Knee Type, Non-NC	2753	16625	126	945
3468	Milling Machines, Bed Type, Non-NC	214	6447	7	145
3469	Milling Machines, Non-NC, N.E.C.	1141	22141	181	1958
3476	Vertical Boring Machines, Incl. VTL's, NC	27	5654	1	246
3477	Vertical Boring Machines, Incl. VTL's, Non-NC	90	2452	2	57
3481	Boring Machines, NC, N.E.C.	44	5921	7	1667
3483	Boring Machines, Non-NC N.E.C.	357	24218	47	5111
3504	Horizontal Lathes, Multi-Spindle, NC	116	12875	12	3102
3506	Horizontal Lathes, Single Spindle, Less than 25 HP, NC	3006	172050	251	16855
3508	Horizontal Lathes, Single Spindle, 25-50 HP, NC	417	44610	24	3263
3510	Horizontal Lathes, Single Spindle, Over 50 HP, NC	157	12767	0	0
3512	Horizontal Engine & Toolroom Lathes, Non-NC	3039	23843	269	2426
3513	Automatic Chucking Lathes, Single Spindle, Non-NC	84	3069	6	76
3514	Automatic Chucking Lathes, Multi-Spindle, Non-NC	37	5170	0	0
3515	Automatic Bar Machines, Single Spindle, Non-NC	52	2472	2	243
3516	Automatic Bar Machines, Multi-Spindle, Non-NC	46	2229	2	410
3518	Horizontal Lathes, Non-NC, N.E.C.	193	2842	4	37
3505	Vertical Lathes, Multi-Spindle, NC	103	7557	2	170
3519	Vertical Lathes, NSPF, NC	219	21702	6	559
3522	Vertical Lathes, Excl. VTL's, Non-NC	988	20333	115	1756
3527	Gear Tooth Grinding & Finishing Machines	335	26541	32	2883
3528	Tool & Cutter Grinding Machines, NC	48	2392	16	803
3529	Tool & Cutter Grinding Machines, Non-NC	1030	19225	74	1491
3533	Honing & Lapping Machines	305	13078	39	3017
3539	Grinding Machines, Flat Surface, NC	45	4280	0	0
3541	Grinding Machines, Flat Surface, Reciprocating Table, Non-NC	312	4881	75	767
3543	Grinding Machines, Flat Surface, Non-NC, N.E.C.	2048	27564	182	3887
3546	Grinding & Polishing Machines, NC, N.E.C.	167	30744	33	3803
3554	External Grinding Machines, Non-NC	259	10277	18	841
3556	Internal Grinding Machines, Non-NC	27	2553	4	395
3558	Grinding, Polishing & Buffing Machines, Non-NC, N.E.C.	107	8201	6	390
3559	Grinding Machines, Non-NC, N.E.C.	1537	54414	120	3244
3562	Traveling Wire Electrical Discharge Machines	626	42539	82	3876
3564	All Other Electrical Discharge Machines	377	18710	16	1605
3567	Spark Erosion, Ultrasonic & Electrolytic Machines, NC	114	16233	9	2222
3571	Spark Erosion, Ultrasonic & Electrolytic Machines, Non-NC	232	7888	88	373
3576	Metal Cutting Machines Tools, NC, N.E.C.	122	70810	13	918
3577	Sawing & Cut-Off Machines, Non-NC	1527	17956	152	1845
3578	Broaching Machines, Non-NC	88	4504	28	1835
3579	Metal Cutting Machine Tools, Non-NC, N.E.C.	1360	44250	65	5218
4000	Metal Cutting Machine Tools, Used or Rebuilt*	4671	19813	301	1135
5000	Metal Cutting Machine Tools, Less Than $2500**	1090016	99106	49975	6970
	TOTAL CUTTING			52777	117790
	TOTAL CUTTING YTD	1124042	1435893		
674:	METAL FORMING				
1010	Die Casting Machines	448	19686	56	976
3582	Metal Forming Machine Tools, Used or Rebuilt	531	6712	31	391
3583	Metal Forming Machine Tools, Less Than $2500	26506	9670	2543	1658
3584	Punching and Shearing Machines, Incl. Combination, NC	319	42282	19	2915
3586	Shearing Machines, Non-NC	725	15464	52	1416
3587	Punching & Combination Punching & Shearing Machines, Non-NC	572	9384	20	898
3588	Bending, Folding, Straightening & Flattening Machines, NC	224	16905	18	1816
3589	Press Brakes, Non-NC	654	17206	44	1261
3591	Bending Rolls, Ram & Press Bending Machines, Non-NC	125	1691	2	23
3592	Bending, Folding, Str. & Flattening Machines, Non-NC, N.E.C.	1124	25518	119	2447
3593	Metal Forming Machine Tools, NC, N.E.C.	116	22453	4	277
3594	Mechanical Presses, Non-NC	1310	114622	80	10267
3595	Hydraulic Presses, Vertical, Single Action, Non-NC	262	43084	21	951
3596	Hydraulic & Pneumatic Presses, Non-NC, N.E.C.	614	125021	63	9320
3597	Headers & Upsetters, Non-NC	130	8214	13	2041
3598	Forging Machines, Non-NC, N.E.C.	173	12841	28	524
3599	Metal Forming Machine Tools, Non-NC, N.E.C.	1824	68693	276	10328
	TOTAL FORMING			3389	47530
	TOTAL FORMING YTD	35657	559487		
	TOTAL ALL TYPES			56166	165320
	TOTAL ALL TYPES YTD	1159699	1995380		

*CODE 6744000 SHOWN ABOVE REPRESENTS COMBINED DATA FROM CODES 674 3015, 3415, 3326, 3461, 3472, 3502, 3524, & 3573

**CODE 6745000 SHOWN ABOVE REPRESENTS COMBINED DATA FROM CODES 674 3100, 3462, 3473, 3503, 3526, & 3574

U.S. IMPORTS OF MACHINE TOOLS
TOTAL AND COUNTRIES OF ORIGIN BY TYPE OF MACHINE
DECEMBER 1987

	AUSTRIA		BELGIUM		DENMARK		FRANCE		ITALY	
674:	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000
3025	0	0	0	0	0	0	0	0	0	0
3035	0	0	0	0	0	0	0	0	0	0
3045	0	0	1	233	0	0	0	0	0	0
3404	0	0	0	0	0	0	2	138	0	0
3406	0	0	0	0	0	0	0	0	0	0
3409	0	0	0	0	0	0	2	142	0	0
3411	0	0	0	0	0	0	0	0	0	0
3412	0	0	0	0	0	0	0	0	0	0
3413	0	0	0	0	0	0	0	0	0	0
3417	0	0	0	0	0	0	0	0	0	0
3418	0	0	0	0	0	0	0	0	0	0
3419	0	0	0	0	0	0	0	0	0	0
3422	0	0	0	0	0	0	0	0	0	0
3423	0	0	0	0	2	42	0	0	0	0
3328	0	0	0	0	0	0	0	0	0	0
3329	0	0	0	0	0	0	0	0	0	0
3334	0	0	0	0	0	0	0	0	0	0
3336	0	0	0	0	0	0	0	0	1	75
3342	0	0	0	0	0	0	1	3	4	36
3464	0	0	0	0	0	0	2	589	5	120
3466	0	0	0	0	0	0	0	0	1	97
3467	1	5	0	0	0	0	0	0	0	0
3468	0	0	0	0	0	0	0	0	1	54
3469	0	0	0	0	0	0	0	0	2	36
3476	0	0	0	0	0	0	0	0	0	0
3477	0	0	0	0	0	0	0	0	1	12
3481	0	0	0	0	0	0	0	0	0	0
3483	0	0	0	0	0	0	0	0	4	101
3504	0	0	0	0	0	0	0	0	0	0
3506	0	0	0	0	0	0	0	0	0	0
3508	0	0	0	0	0	0	0	0	0	0
3510	0	0	0	0	0	0	0	0	0	0
3512	0	0	0	0	0	0	0	0	0	0
3513	0	0	0	0	0	0	0	0	0	0
3514	0	0	0	0	0	0	0	0	0	0
3515	0	0	0	0	0	0	0	0	0	0
3516	0	0	0	0	0	0	0	0	0	0
3518	0	0	0	0	0	0	0	0	0	0
3505	0	0	0	0	0	0	1	3	0	0
3519	0	0	0	0	0	0	0	0	0	0
3522	17	252	0	0	0	0	0	0	4	111
3527	0	0	0	0	0	0	0	0	0	0
3528	0	0	0	0	0	0	0	0	0	0
3529	0	0	0	0	0	0	1	36	2	37
3533	0	0	0	0	0	0	0	0	0	0
3539	0	0	0	0	0	0	0	0	0	0
3541	0	0	0	0	0	0	0	0	22	346
3543	0	0	0	0	0	0	0	0	0	0
3546	0	0	0	0	0	0	0	0	0	0
3554	0	0	0	0	0	0	0	0	1	303
3556	0	0	0	0	0	0	0	0	0	0
3558	0	0	0	0	0	0	0	0	0	0
3559	2	16	0	0	19	107	2	104	0	0
3562	0	0	0	0	0	0	0	0	0	0
3564	0	0	0	0	0	0	0	0	0	0
3567	0	0	0	0	0	0	0	0	0	0
3571	0	0	0	0	0	0	0	0	0	0
3576	0	0	0	0	0	0	0	0	1	277
3577	0	0	0	0	0	0	5	139	0	0
3578	0	0	0	0	0	0	0	0	1	86
3579	0	0	0	0	0	0	0	0	1	31
4000	3	92	7	10	18	93	1	20	33	143
5000	386	233	0	0	18	18	387	263	1355	317
CUT MO	409	598	8	243	57	260	404	1438	1439	2182
CUT YTD	2869	9364	673	1487	2168	1693	7596	13796	8388	45550
1010	0	0	0	0	0	0	0	0	3	2
3582	0	0	0	0	0	0	0	0	0	0
3583	0	0	0	0	0	0	0	0	16	14
3584	0	0	0	0	0	0	0	0	0	0
3586	0	0	1	8	0	0	0	0	1	42
3587	0	0	0	0	0	0	0	0	3	33
3588	0	0	0	0	0	0	0	0	1	24
3589	0	0	0	0	2	100	0	0	0	0
3591	0	0	0	0	0	0	0	0	0	0
3592	0	0	0	0	0	0	0	0	2	23
3593	0	0	1	4	0	0	0	0	0	0
3594	0	0	0	0	0	0	6	109	7	27
3595	0	0	0	0	0	0	2	7	0	0
3596	0	0	0	0	1	450	0	0	2	19
3597	0	0	0	0	0	0	0	0	2	392
3598	5	38	0	0	0	0	0	0	0	0
3599	2	729	2	147	0	0	26	590	18	252
FRM MO	7	767	4	160	3	550	34	706	55	829
FRM YTD	159	7013	460	7926	41	883	561	3814	2854	26816
TOT MO	416	1365	12	402	60	810	438	2144	1494	3011
TOT YTD	3028	16377	1133	9413	2209	2576	8157	17610	11242	72366

U.S. IMPORTS OF MACHINE TOOLS
TOTAL AND COUNTRIES OF ORIGIN BY TYPE OF MACHINE
DECEMBER 1987

	NETHERLANDS		PORTUGAL		SPAIN		SWEDEN		SWITZERLAND	
674:	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000
3025	0	0	0	0	0	0	0	0	0	0
3035	0	0	0	0	0	0	0	0	1	419
3045	0	0	0	0	0	0	0	0	0	0
3404	0	0	0	0	0	0	0	0	0	0
3406	0	0	0	0	0	0	0	0	0	0
3409	0	0	0	0	0	0	16	3920	0	0
3411	0	0	0	0	0	0	0	0	0	0
3412	0	0	0	0	0	0	0	0	3	653
3413	0	0	0	0	0	0	0	0	0	0
3417	0	0	0	0	0	0	0	0	0	0
3418	0	0	0	0	0	0	0	0	0	0
3419	0	0	0	0	0	0	0	0	0	0
3422	0	0	0	0	0	0	0	0	1	19
3423	0	0	0	0	0	0	0	0	0	0
3328	0	0	0	0	0	0	0	0	0	0
3329	0	0	0	0	0	0	0	0	1	134
3334	0	0	0	0	2	57	0	0	0	0
3336	0	0	0	0	0	0	0	0	0	0
3342	0	0	0	0	0	0	0	0	1	356
3464	0	0	0	0	0	0	0	0	0	0
3466	0	0	0	0	0	0	0	0	0	0
3467	0	0	0	0	56	444	0	0	0	0
3468	0	0	0	0	0	0	0	0	0	0
3469	0	0	0	0	39	361	5	431	2	232
3476	0	0	0	0	0	0	0	0	0	0
3477	0	0	0	0	0	0	0	0	0	0
3481	0	0	0	0	0	0	0	0	0	0
3483	0	0	0	0	0	0	0	0	0	0
3504	0	0	0	0	0	0	0	0	0	0
3506	0	0	0	0	0	0	0	0	1	5
3508	0	0	0	0	0	0	0	0	0	0
3510	0	0	0	0	0	0	0	0	0	0
3512	0	0	0	0	3	222	0	0	0	0
3513	0	0	0	0	0	0	0	0	0	0
3514	0	0	0	0	0	0	0	0	0	0
3515	0	0	0	0	0	0	0	0	2	243
3516	0	0	0	0	0	0	0	0	1	218
3518	0	0	0	0	0	0	0	0	3	34
3505	0	0	0	0	0	0	0	0	0	0
3519	0	0	0	0	1	127	0	0	0	0
3522	0	0	0	0	1	21	0	0	1	27
3527	0	0	0	0	1	63	0	0	4	170
3528	0	0	0	0	0	0	0	0	0	0
3529	0	0	0	0	0	0	1	14	9	98
3533	0	0	0	0	0	0	0	0	0	0
3539	0	0	0	0	0	0	0	0	0	0
3541	0	0	0	0	0	0	0	0	0	0
3543	0	0	0	0	0	0	0	0	3	409
3546	0	0	0	0	0	0	0	0	9	635
3554	0	0	0	0	0	0	0	0	7	355
3556	0	0	0	0	0	0	0	0	0	0
3558	3	206	0	0	0	0	0	0	0	0
3559	5	156	0	0	0	0	3	360	5	340
3562	0	0	0	0	0	0	0	0	16	1228
3564	0	0	0	0	0	0	0	0	6	732
3567	0	0	0	0	0	0	0	0	0	0
3571	0	0	0	0	0	0	0	0	3	62
3576	0	0	0	0	0	0	0	0	0	0
3577	5	17	0	0	0	0	0	0	1	16
3578	0	0	0	0	0	0	0	0	0	0
3579	0	0	0	0	1	5	0	0	1	107
4000	1	5	14	58	0	0	1	10	0	0
5000	68	95	0	0	157	17	226	219	27	8
CUT MO	82	480	14	58	261	1316	252	4954	108	6500
CUT YTD	778	6401	119	419	2106	14237	2099	16327	7678	81083
1010	4	3	0	0	0	0	0	0	0	0
3582	1	3	0	0	0	0	0	0	0	0
3583	4	7	0	0	6	4	0	0	51	58
3584	0	0	0	0	0	0	0	0	4	1104
3586	1	31	2	35	0	0	0	0	0	0
3587	0	0	0	0	0	0	2	23	0	0
3588	0	0	0	0	0	0	1	34	0	0
3589	0	0	6	47	0	0	0	0	0	0
3591	0	0	0	0	0	0	0	0	0	0
3592	0	0	0	0	2	215	14	122	12	224
3593	0	0	0	0	0	0	0	0	0	0
3594	0	0	0	0	0	0	0	0	0	0
3595	1	325	0	0	0	0	1	99	0	0
3596	1	11	0	0	0	0	1	146	0	0
3597	0	0	0	0	0	0	0	0	1	153
3598	0	0	0	0	0	0	0	0	0	0
3599	4	12	0	0	2	30	1	620	18	1589
FRM MO	16	391	8	82	10	248	20	1045	86	3128
FRM YTD	178	2671	51	649	362	2275	1790	7288	1010	22556
TOT MO	98	871	22	140	271	1564	272	5999	194	9628
TOT YTD	956	9072	170	1068	2468	16512	3889	23615	8688	103639

U.S. IMPORTS OF MACHINE TOOLS
TOTAL AND COUNTRIES OF ORIGIN BY TYPE OF MACHINE
DECEMBER 1987

	U. KINGDOM		W. GERMANY		YUGOSLAVIA		CANADA		BRAZIL	
674:	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000
3025	0	0	6	1258	0	0	0	0	0	0
3035	0	0	0	0	0	0	0	0	0	0
3045	3	45	1	55	0	0	0	0	0	0
3404	0	0	1	103	0	0	0	0	0	0
3406	0	0	0	0	0	0	0	0	0	0
3409	1	39	1	97	0	0	0	0	0	0
3411	1	69	21	891	0	0	0	0	0	0
3412	0	0	0	0	0	0	0	0	0	0
3413	0	0	0	0	0	0	0	0	0	0
3417	0	0	0	0	0	0	0	0	0	0
3418	1	72	0	0	0	0	0	0	0	0
3419	0	0	0	0	0	0	0	0	0	0
3422	1	55	0	0	0	0	0	0	0	0
3423	0	0	2	608	0	0	0	0	0	0
3328	0	0	0	0	0	0	0	0	0	0
3329	0	0	1	173	0	0	0	0	0	0
3334	0	0	0	0	0	0	0	0	0	0
3336	2	44	2	14	0	0	0	0	0	0
3342	7	30	3	258	0	0	1	8	0	0
3464	20	75	4	309	0	0	0	0	0	0
3466	0	0	1	36	0	0	0	0	0	0
3467	0	0	1	122	0	0	0	0	0	0
3468	0	0	0	0	0	0	0	0	0	0
3469	3	84	36	281	0	0	0	0	0	0
3476	0	0	0	0	0	0	0	0	0	0
3477	0	0	0	0	0	0	0	0	0	0
3481	0	0	0	0	0	0	0	0	0	0
3483	0	0	31	4590	0	0	2	33	0	0
3504	0	0	0	0	0	0	0	0	0	0
3506	0	0	8	2080	0	0	0	0	0	0
3508	0	0	2	210	0	0	0	0	0	0
3510	0	0	0	0	0	0	0	0	0	0
3512	83	816	0	0	21	137	0	0	15	102
3513	0	0	0	0	0	0	0	0	0	0
3514	0	0	0	0	0	0	0	0	0	0
3515	0	0	0	0	0	0	0	0	0	0
3516	0	0	1	192	0	0	0	0	0	0
3518	0	0	0	0	0	0	0	0	0	0
3505	0	0	0	0	0	0	0	0	0	0
3519	0	0	2	142	0	0	0	0	0	0
3522	30	391	3	240	0	0	0	0	29	186
3527	0	0	13	2492	0	0	0	0	0	0
3528	7	234	1	182	0	0	0	0	0	0
3529	10	105	23	549	0	0	2	6	0	0
3533	24	214	10	2299	0	0	0	0	0	0
3539	0	0	0	0	0	0	0	0	0	0
3541	0	0	25	218	0	0	0	0	0	0
3543	2	295	23	322	0	0	0	0	0	0
3546	0	0	18	2592	0	0	0	0	0	0
3554	0	0	2	12	0	0	0	0	0	0
3556	1	68	3	327	0	0	0	0	0	0
3558	0	0	0	0	0	0	0	0	0	0
3559	18	1025	34	631	0	0	7	47	0	0
3562	0	0	0	0	0	0	0	0	0	0
3564	0	0	0	0	0	0	0	0	0	0
3567	3	1127	1	432	0	0	0	0	0	0
3571	7	37	0	0	0	0	0	0	0	0
3576	0	0	0	0	0	0	0	0	0	0
3577	46	142	50	697	0	0	12	96	0	0
3578	26	1745	1	4	0	0	0	0	0	0
3579	21	105	20	4569	0	0	9	136	0	0
4000	28	88	21	278	0	0	22	26	0	0
5000	1691	196	387	163	0	0	505	321	2	5
CUT MO	2036	7100	759	27422	21	137	560	673	46	292
CUT YTD	12785	68745	65578	268045	422	3854	6825	19115	364	2318
1010	0	0	5	159	0	0	21	722	0	0
3582	1	23	0	0	0	0	26	250	0	0
3583	122	102	457	734	0	0	40	5	0	0
3584	0	0	3	456	0	0	0	0	0	0
3586	10	102	2	232	0	0	3	78	0	0
3587	0	0	2	55	0	0	2	192	0	0
3588	0	0	0	0	0	0	0	0	0	0
3589	1	13	0	0	0	0	10	459	0	0
3591	2	23	0	0	0	0	0	0	0	0
3592	5	30	40	677	0	0	18	218	0	0
3593	0	0	2	245	0	0	1	27	0	0
3594	0	0	0	0	0	0	0	0	0	0
3595	0	0	0	0	0	0	0	0	0	0
3596	7	582	10	350	0	0	1	430	0	0
3597	0	0	1	1220	0	0	2	11	0	0
3598	1	238	0	0	0	0	1	13	0	0
3599	4	179	74	2902	0	0	37	1783	0	0
FRM MO	153	1293	596	7030	0	0	162	4189	0	0
FRM YTD	1493	16688	5151	63921	1	12	1962	30130	11	4933
TOT MO	2189	8393	1355	34453	21	137	722	4862	46	292
TOT YTD	14278	85432	70729	331966	423	3866	8787	49245	375	7251

U.S. IMPORTS OF MACHINE TOOLS
TOTAL AND COUNTRIES OF ORIGIN BY TYPE OF MACHINE
DECEMBER 1987

	CHINA		ISRAEL		JAPAN		KOREAN REP		SINGAPORE	
674:	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000
3025	0	0	0	0	2	125	0	0	0	0
3035	0	0	0	0	0	0	0	0	0	0
3045	0	0	0	0	0	0	0	0	0	0
3404	0	0	0	0	91	7313	0	0	0	0
3406	0	0	0	0	1	102	0	0	0	0
3409	0	0	0	0	53	7705	0	0	0	0
3411	0	0	0	0	5	624	5	88	1	67
3412	0	0	0	0	0	0	0	0	0	0
3413	0	0	0	0	0	0	0	0	0	0
3417	0	0	0	0	1	345	0	0	0	0
3418	0	0	0	0	0	0	0	0	0	0
3419	0	0	0	0	0	0	0	0	0	0
3422	0	0	0	0	0	0	0	0	0	0
3423	0	0	0	0	0	0	0	0	0	0
3428	0	0	0	0	21	1412	0	0	0	0
3429	0	0	0	0	1	39	0	0	0	0
3434	0	0	0	0	1	21	0	0	0	0
3436	0	0	0	0	2	34	0	0	0	0
3442	0	0	0	0	7	221	0	0	0	0
3464	1	51	0	0	[illegible]	581	0	0	0	0
3466	0	0	0	0	0	0	0	0	0	0
3467	0	0	0	0	3	48	0	0	0	0
3468	0	0	0	0	0	0	0	0	0	0
3469	20	88	0	0	0	0	0	0	0	0
3476	0	0	0	0	1	246	0	0	0	0
3477	0	0	0	0	1	45	0	0	0	0
3481	0	0	0	0	7	1667	0	0	0	0
3483	0	0	0	0	8	317	0	0	0	0
3504	0	0	0	0	12	3102	0	0	0	0
3506	0	0	0	0	209	13622	21	1020	12	128
3508	0	0	0	0	22	3053	0	0	0	0
3510	0	0	0	0	0	0	0	0	0	0
3512	0	0	0	0	2	71	42	299	26	250
3513	0	0	0	0	6	76	0	0	0	0
3514	0	0	0	0	0	0	0	0	0	0
3515	0	0	0	0	0	0	0	0	0	0
3516	0	0	0	0	0	0	0	0	0	0
3518	1	3	0	0	0	0	0	0	0	0
3505	0	0	0	0	1	167	0	0	0	0
3519	0	0	0	0	3	291	0	0	0	0
3522	0	0	0	0	12	426	0	0	0	0
3527	0	0	0	0	0	0	0	0	0	0
3528	0	0	0	0	8	388	0	0	0	0
3529	0	0	0	0	8	495	0	0	0	0
3533	0	0	0	0	5	504	0	0	0	0
3539	0	0	0	0	0	0	0	0	0	0
3541	0	0	0	0	7	46	0	0	13	95
3543	2	50	0	0	72	1812	0	0	0	0
3546	0	0	0	0	6	577	0	0	0	0
3554	0	0	0	0	1	113	0	0	0	0
3556	0	0	0	0	0	0	0	0	0	0
3558	0	0	0	0	3	185	0	0	0	0
3559	5	25	0	0	6	373	0	0	0	0
3562	0	0	0	0	51	2517	1	20	0	0
3564	0	0	0	0	10	873	0	0	0	0
3567	0	0	0	0	4	652	0	0	0	0
3571	0	0	0	0	78	274	0	0	0	0
3576	0	0	0	0	10	342	0	0	0	0
3577	1	7	2	90	7	510	0	0	0	0
3578	0	0	0	0	0	0	0	0	0	0
3579	0	0	1	5	10	252	0	0	0	0
4000	0	0	0	0	3	57	0	0	67	5
5000	20	32	0	0	2111	527	14	15	8	16
CUT MO	50	256	3	95	2881	52148	83	1442	127	561
CUT YTD	5033	3393	37	1308	69491	721286	1256	14272	3151	7527
1010	0	0	0	0	18	87	1	1	0	0
3582	0	0	1	49	1	39	0	0	0	0
3583	0	0	0	0	279	346	47	17	0	0
3584	0	0	0	0	12	1375	0	0	0	0
3586	0	0	0	0	12	283	0	0	2	7
3587	0	0	0	0	2	42	0	0	0	0
3588	0	0	0	0	16	1757	0	0	0	0
3589	0	0	0	0	4	104	0	0	5	78
3591	0	0	0	0	0	0	0	0	0	0
3592	0	0	0	0	16	785	0	0	0	0
3593	0	0	0	0	0	0	0	0	0	0
3594	0	0	0	0	63	10035	0	0	0	0
3595	0	0	0	0	17	520	0	0	0	0
3596	0	0	0	0	14	6155	0	0	0	0
3597	0	0	0	0	6	263	0	0	0	0
3598	0	0	0	0	10	167	0	0	0	0
3599	0	0	6	371	59	1015	19	86	0	0
FRM MO	0	0	7	420	529	22970	67	104	7	84
FRM YTD	196	9	122	2396	7678	339901	152	407	149	1750
TOT MO	50	256	10	515	3410	75118	150	1546	134	645
TOT YTD	5229	3402	159	3704	77169	1061186	1408	14679	3300	9277

U.S. IMPORTS OF MACHINE TOOLS
TOTAL AND COUNTRIES OF ORIGIN BY TYPE OF MACHINE
DECEMBER 1987

674	TAIWAN		AUSTRALIA		ALL OTHERS	
	UNITS	$000	UNITS	$000	UNITS	$000
3025	0	0	0	0	1	33
3035	0	0	0	0	0	0
3045	0	0	0	0	0	0
3404	2	184	0	0	0	0
3406	1	92	0	0	0	0
3409	0	0	0	0	0	0
3411	1	91	0	0	0	0
3412	0	0	0	0	0	0
3413	0	0	0	0	0	0
3417	0	0	0	0	0	0
3418	0	0	0	0	0	0
3419	4	176	0	0	0	0
3422	0	0	0	0	0	0
3423	0	0	0	0	0	0
3328	0	0	0	0	0	0
3329	0	0	0	0	0	0
3334	5	23	0	0	0	0
3336	12	61	0	0	0	0
3342	12	97	0	0	7	63
3464	13	416	0	0	0	0
3466	0	0	0	0	0	0
3467	65	325	0	0	0	0
3468	6	91	0	0	0	0
3469	74	445	0	0	0	0
3476	0	0	0	0	0	0
3477	0	0	0	0	0	0
3481	0	0	0	0	0	0
3483	0	0	0	0	2	70
3504	0	0	0	0	0	0
3506	0	0	0	0	0	0
3508	0	0	0	0	0	0
3510	0	0	0	0	0	0
3512	66	391	0	0	11	139
3513	0	0	0	0	0	0
3514	0	0	0	0	0	0
3515	0	0	0	0	0	0
3516	0	0	0	0	0	0
3518	0	0	0	0	0	0
3505	0	0	0	0	0	0
3519	0	0	0	0	0	0
3522	4	30	0	0	14	73
3527	13	100	0	0	1	58
3528	0	0	0	0	0	0
3529	18	150	0	0	0	0
3533	0	0	0	0	0	0
3539	0	0	0	0	0	0
3541	8	62	0	0	0	0
3543	70	649	0	0	10	349
3546	0	0	0	0	0	0
3554	7	58	0	0	0	0
3556	0	0	0	0	0	0
3558	0	0	0	0	0	0
3559	12	49	2	12	0	0
3562	4	60	10	52	0	0
3564	0	0	0	0	0	0
3567	1	10	0	0	0	0
3571	0	0	0	0	0	0
3576	2	300	0	0	0	0
3577	22	104	0	0	1	28
3578	0	0	0	0	0	0
3579	0	0	0	0	1	9
4000	76	189	0	0	6	63
5000	33509	4185	313	104	8791	237
CUT MO	34007	8337	325	168	8845	1121
CUT YTD	822710	123039	532	1181	101384	11327
1010	4	2	0	0	0	0
3582	0	0	0	0	1	26
3583	1489	313	0	0	32	59
3584	0	0	0	0	0	0
3586	11	35	0	0	7	564
3587	0	0	0	0	9	553
3588	0	0	0	0	0	0
3589	16	461	0	0	0	0
3591	0	0	0	0	0	0
3592	1	3	0	0	9	149
3593	0	0	0	0	0	0
3594	4	97	0	0	0	0
3595	0	0	0	0	0	0
3596	21	87	0	0	5	1089
3597	1	3	0	0	0	0
3598	2	19	0	0	9	49
3599	1	18	0	0	3	4
FRM MO	1550	1037	0	0	75	2492
FRM YTD	10588	4476	50	444	638	12492
TOT MO	35557	9374	325	168	8920	3613
TOT YTD	833298	127515	582	1625	102022	23818

U.S. IMPORTS OF MACHINE TOOLS TOTAL AND COUNTRIES OF ORIGIN
THE FOLLOWING IS A BREAKDOWN OF THE ACTIVITY BY COUNTRY WHICH IS INCLUDED IN THE
ALL OTHER COLUMN
DECEMBER 1987

	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	$000	UNITS	$000	UNITS	$000
OTHER EUROPE						
AZORES	0	0	0	0	0	0
BULGARIA	0	0	0	0	0	0
CYPRUS	0	0	0	0	0	0
CZECHOSLOVAKIA	5	97	0	0	5	97
EAST GERMANY	6	144	0	0	6	144
FINLAND	6	55	1	26	7	80
GIBRALTAR	0	0	0	0	0	0
GREECE	2	46	0	0	2	46
HUNGARY	0	0	0	0	0	0
ICELAND	0	0	0	0	0	0
IRELAND	0	0	1	1	1	1
MALTA	0	0	0	0	0	0
NORWAY	0	0	2	3	2	3
POLAND	10	109	0	0	10	109
ROMANIA	0	0	0	0	0	0
USSR	1	15	0	0	1	15
OTHER EUROPE	0	0	0	0	0	0
TOTAL	30	466	4	30	34	496
OTHER NORTH AND CENTRAL AMERICA						
BAHAMAS	0	0	0	0	0	0
BARBADOS	0	0	0	0	0	0
BELIZE	0	0	0	0	0	0
BERMUDA	0	0	0	0	0	0
CAYMAN	0	0	0	0	0	0
COSTA RICA	0	0	0	0	0	0
DOMINICAN REP	0	0	0	0	0	0
FR. W. INDIES	0	0	0	0	0	0
GUATEMALA	0	0	0	0	0	0
HAITI	0	0	0	0	0	0
HONDURAS	0	0	0	0	0	0
JAMAICA	0	0	0	0	0	0
LW & WW IS	0	0	0	0	0	0
MEXICO	8782	226	38	75	8820	301
NICARAGUA	0	0	0	0	0	0
N. ANTILLES	0	0	0	0	0	0
PANAMA	0	0	0	0	0	0
SALVADOR	0	0	0	0	0	0
TRINIDAD	0	0	0	0	0	0
TURK ISLAND	0	0	0	0	0	0
OTHER N & C AM	0	0	0	0	0	0
TOTAL	8782	226	38	75	8820	301
OTHER SOUTH AMERICA						
ARGENTINA	1	17	0	0	1	17
BOLIVIA	0	0	0	0	0	0
CHILE	0	0	0	0	0	0
COLOMBIA	0	0	0	0	0	0
ECUADOR	0	0	0	0	0	0
FRENCH GUIANA	0	0	0	0	0	0
GUYANA	0	0	0	0	0	0
PARAGUAY	0	0	0	0	0	0
PERU	0	0	0	0	0	0
SURINAM	0	0	0	0	0	0
URAGUAY	0	0	0	0	0	0
VENEZUELA	0	0	0	0	0	0
OTHER S. AM	0	0	0	0	0	0
TOTAL	1	17	0	0	1	17
OTHER OCEANIA						
FR. PAC. IS.	0	0	0	0	0	0
NEW GUINEA	0	0	0	0	0	0
NEW ZEALAND	0	0	24	2338	24	2338
SAMOA	0	0	0	0	0	0
TERR. PAC. IS.	0	0	0	0	0	0
OTH. PAC. IS.	0	0	0	0	0	0
OTHER OCEANIA	0	0	0	0	0	0
TOTAL	0	0	24	2338	24	2338

U.S. IMPORTS OF MACHINE TOOLS TOTAL AND COUNTRIES OF ORIGIN
THE FOLLOWING IS A BREAKDOWN OF THE ACTIVITY BY COUNTRY WHICH IS INCLUDED IN THE
ALL OTHER COLUMN
DECEMBER 1987

	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	$000	UNITS	$000	UNITS	$000
OTHER ASIA						
ADEN	0	0	0	0	0	0
AFGHANISTAN	0	0	0	0	0	0
ARAB EMIRATES	0	0	0	0	0	0
BAHRAIN	0	0	0	0	0	0
BANGLADESH	0	0	0	0	0	0
BRUNEI	0	0	0	0	0	0
BURMA	0	0	0	0	0	0
GAZA STRIP	0	0	0	0	0	0
HONG KONG	0	0	0	0	0	0
INDIA	23	84	9	49	32	133
INDONESIA	0	0	0	0	0	0
IRAN	0	0	0	0	0	0
IRAQ	0	0	0	0	0	0
JORDAN	0	0	0	0	0	0
KUWAIT	0	0	0	0	0	0
LEBANON	0	0	0	0	0	0
MALAYSIA	1	28	0	0	1	28
NEPAL	0	0	0	0	0	0
OMAN	0	0	0	0	0	0
PAKISTAN	0	0	0	0	0	0
PHILIPPINES	0	0	0	0	0	0
QATAR	0	0	0	0	0	0
SAUDI ARABIA	1	20	0	0	1	20
SRI LANKA	0	0	0	0	0	0
SYRIA	0	0	0	0	0	0
THAILAND	0	0	0	0	0	0
TURKEY	6	271	0	0	6	271
YEMEN	0	0	0	0	0	0
OTHER ASIA	0	0	0	0	0	0
TOTAL	31	404	9	49	40	452
OTHER AFRICA						
AFARS & ISSAS	0	0	0	0	0	0
ALGERIA	0	0	0	0	0	0
ANGOLA	0	0	0	0	0	0
BENIN	0	0	0	0	0	0
BOTSWANA	0	0	0	0	0	0
CAMEROON	0	0	0	0	0	0
CANARY ISLANDS	0	0	0	0	0	0
DAHOMEY	0	0	0	0	0	0
EGYPT	0	0	0	0	0	0
ETHIOPIA	0	0	0	0	0	0
GABON	0	0	0	0	0	0
GHANA	0	0	0	0	0	0
GUINEA	0	0	0	0	0	0
IVORY COAST	0	0	0	0	0	0
KENYA	0	0	0	0	0	0
LESOTHO	0	0	0	0	0	0
LIBERIA	0	0	0	0	0	0
LIBYA	0	0	0	0	0	0
MALAG REP	0	0	0	0	0	0
MALAWI	0	0	0	0	0	0
MAURITANIA	0	0	0	0	0	0
MAURITIUS	1	9	0	0	1	9
MOROCCO	0	0	0	0	0	0
MOZAMBIQUE	0	0	0	0	0	0
NIGER	0	0	0	0	0	0
NIGERIA	0	0	0	0	0	0
REP S AFRICA	0	0	0	0	0	0
RWANDA	0	0	0	0	0	0
SENEGAL	0	0	0	0	0	0
SIERRA LEONE	0	0	0	0	0	0
SOMALIA	0	0	0	0	0	0
S W AFRICA	0	0	0	0	0	0
SUDAN	0	0	0	0	0	0
SWAZILAND	0	0	0	0	0	0
TANZANIA	0	0	0	0	0	0
TOGO	0	0	0	0	0	0
TUNISIA	0	0	0	0	0	0
UGANDA	0	0	0	0	0	0
ZAIRE	0	0	0	0	0	0
ZAMBIA	0	0	0	0	0	0
ZIMBABWE	0	0	0	0	0	0
OTH WEST AFR	0	0	0	0	0	0
OTHER AFRICA	0	0	0	0	0	0
TOTAL	1	9	0	0	1	9

SOURCE U.S. DEPARTMENT OF COMMERCE CENSUS REPORT NO. IM146, NATIONAL MACHINE TOOL BUILDERS' ASSOCIATION

NOTES 1)'0-' = DOLLAR AMOUNT LESS THAN $500 2)N.E.C. = NOT ELSEWHERE CLASSIFIED 3)INDIVIDUAL ITEMS MAY NOT ADD TO TOTALS DUE TO ROUNDING 4)MACHINE TOOL IMPORTS, AS REFLECTED IN THE GOVERNMENT STATISTICS, ARE ACTUALLY UNDERVALUED SINCE THEY REFLECT VALUES IN THE COUNTRY OF ORIGIN AND DO NOT INCLUDE OCEAN FREIGHT, INSURANCE, COMMISSIONS OR IMPORT DUTIES

A 2050-3

U.S. IMPORTS OF MACHINE TOOLS YEAR TO DATE SUMMARY
TOTAL AND COUNTRIES OF ORIGIN BY TYPE OF MACHINE
DECEMBER 1987

RELEASED: MARCH 25, 1988

		TOTAL UNITS	YTD $000
674:	METAL CUTTING		
3025	Gear Hobbers	89	14510
3035	Gear Shapers	50	6481
3045	Gear Cutting Machines, N.E.C.	35	2488
3404	Vertical Mach. Ctrs. ATC, NC, Y-Axis Travel 26" or Less	1529	127129
3406	Vertical Mach. Ctrs. ATC, NC, Y-Axis Travel Over 26"	191	17493
3409	Horizontal Machining Centers, ATC, NC	723	113747
3411	Machining Centers, NC, N.E.C.	471	55058
3412	Single Station and Multi-Station Transfer Machines	102	22729
3413	Way Type Machines, (Unit Heads)	3	179
3417	Horiz. Boring-Drilling-Milling Machines, Table Type, NC	9	3699
3418	Horiz. Boring-Drilling-Milling Machines, NC, N.E.C.	103	17479
3419	Vertical Boring-Drilling-Milling Machines, NC	163	13591
3422	Horiz. Boring-Drilling-Milling Machines, Non-NC	36	2701
3423	Vertical Boring-Drilling-Milling Machines, Non-NC	233	6261
3328	Drilling Machines, NC	159	7621
3329	Drilling Machines, Multi-Spindle, Non-NC	71	2220
3334	Drilling Machines, Radial, Non-NC	183	1071
3336	Drilling Machines, Upright, Single Spindle, Non-NC	71	680
3342	Drilling Machines, Non-NC, N.E.C.	727	17549
3464	Milling Machines, NC	643	41285
3466	Milling Machines, Profiling, Dupl. & Die Sinking, Non-NC	15	864
3467	Milling Machines, Knee Type, Non-NC	2753	16625
3468	Milling Machines, Bed Type, Non-NC	214	6447
3469	Milling Machines, Non-NC, N.E.C.	1141	22141
3476	Vertical Boring Machines, Incl. VTL's, NC	27	5654
3477	Vertical Boring Machines, Incl. VTL's, Non-NC	90	2452
3481	Boring Machines, NC, N.E.C.	44	5921
3483	Boring Machines, Non-NC N.E.C.	357	24218
3504	Horizontal Lathes, Multi-Spindle, NC	116	12875
3506	Horizontal Lathes, Single Spindle, Less than 25 HP, NC	3006	172050
3508	Horizontal Lathes, Single Spindle, 25-50 HP, NC	417	44610
3510	Horizontal Lathes, Single Spindle, Over 50 HP, NC	157	12767
3512	Horizontal Engine & Toolroom Lathes, Non-NC	3039	23843
3513	Automatic Chucking Lathes, Single Spindle, Non-NC	84	3069
3514	Automatic Chucking Lathes, Multi-Spindle, Non-NC	37	5170
3515	Automatic Bar Machines, Single Spindle, Non-NC	52	2472
3516	Automatic Bar Machines, Multi-Spindle, Non-NC	46	2229
3518	Horizontal Lathes, Non-NC, N.E.C.	193	2842
3505	Vertical Lathes, Multi-Spindle, NC	103	7557
3519	Vertical Lathes, NSPF, NC	219	21702
3522	Vertical Lathes, Excl. VTL's, Non-NC	988	20333
3527	Gear Tooth Grinding & Finishing Machines	335	26541
3528	Tool & Cutter Grinding Machines, NC	48	2392
3529	Tool & Cutter Grinding Machines, Non-NC	1030	19225
3533	Honing & Lapping Machines	305	13078
3539	Grinding Machines, Flat Surface, NC	45	4280
3541	Grinding Machines, Flat Surface, Reciprocating Table, Non-NC	312	4881
3543	Grinding Machines, Flat Surface, Non-NC, N.E.C.	2048	27564
3546	Grinding & Polishing Machines, NC, N.E.C.	167	30744
3554	External Grinding Machines, Non-NC	259	10277
3556	Internal Grinding Machines, Non-NC	27	2553
3558	Grinding, Polishing & Buffing Machines, Non-NC, N.E.C.	107	8201
3559	Grinding Machines, Non-NC, N.E.C.	1537	54414
3562	Traveling Wire Electrical Discharge Machines	626	42539
3564	All Other Electrical Discharge Machines	377	18710
3567	Spark Erosion, Ultrasonic & Electrolytic Machines, NC	114	16233
3571	Spark Erosion, Ultrasonic & Electrolytic Machines, Non-NC	232	7888
3576	Metal Cutting Machines Tools, NC, N.E.C.	122	70810
3577	Sawing & Cut-Off Machines, Non-NC	1527	17956
3578	Broaching Machines, Non-NC	88	4504
3579	Metal Cutting Machine Tools, Non-NC, N.E.C.	1360	44250
4000	Metal Cutting Machine Tools, Used or Rebuilt*	4671	19813
5000	Metal Cutting Machine Tools, Less Than $2500**	1090016	99106
	TOTAL CUTTING	1124042	1435893
674:	METAL FORMING		
1010	Die Casting Machines	448	19686
3582	Metal Forming Machine Tools, Used or Rebuilt	531	6712
3583	Metal Forming Machine Tools, Less Than $2500	26506	9670
3584	Punching and Shearing Machines, Incl. Combination, NC	319	42282
3586	Shearing Machines, Non-NC	725	15464
3587	Punching & Combination Punching & Shearing Machines, Non-NC	572	9384
3588	Bending, Folding, Straightening & Flattening Machines, NC	224	16905
3589	Press Brakes, Non-NC	654	17206
3591	Bending Rolls, Ram & Press Bending Machines, Non-NC	125	1691
3592	Bending, Folding, Str. & Flattening Machines, Non-NC, N.E.C.	1124	25518
3593	Metal Forming Machine Tools, NC, N.E.C.	116	22453
3594	Mechanical Presses, Non-NC	1310	114622
3595	Hydraulic Presses, Vertical, Single Action, Non-NC	262	43084
3596	Hydraulic & Pneumatic Presses, Non-NC, N.E.C.	614	125021
3597	Headers & Upsetters, Non-NC	130	8214
3598	Forging Machines, Non-NC, N.E.C.	173	12841
3599	Metal Forming Machine Tools, Non-NC, N.E.C.	1824	68693
	TOTAL FORMING	35657	559487
	TOTAL ALL TYPES	1159699	1995380

*CODE 6744000 SHOWN ABOVE REPRESENTS COMBINED DATA FROM CODES 674: 3015, 3415, 3326, 3461, 3472, 3502, 3524, & 3573

**CODE 6745000 SHOWN ABOVE REPRESENTS COMBINED DATA FROM CODES 674: 3100, 3462, 3473, 3503, 3526, & 3574

U.S. IMPORTS OF MACHINE TOOLS YEAR TO DATE SUMMARY
TOTAL AND COUNTRIES OF ORIGIN BY TYPE OF MACHINE
DECEMBER 1987

674:	AUSTRIA		BELGIUM		DENMARK		FRANCE		ITALY	
	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000
3025	0	0	6	350	0	0	0	0	2	328
3035	0	0	0	0	0	0	0	0	0	0
3045	1	69	3	653	0	0	0	0	1	25
3404	0	0	0	0	0	0	3	206	0	0
3406	0	0	0	0	0	0	0	0	0	0
3409	0	0	0	0	0	0	5	404	6	1370
3411	0	0	0	0	0	0	0	0	16	1633
3412	0	0	0	0	0	0	1	105	36	4165
3413	0	0	0	0	0	0	0	0	0	0
3417	0	0	0	0	0	0	0	0	3	1656
3418	0	0	0	0	0	0	0	0	0	0
3419	0	0	0	0	1	39	0	0	10	943
3422	0	0	0	0	0	0	0	0	5	1303
3423	0	0	0	0	2	42	0	0	7	2173
3328	2	10	0	0	0	0	0	0	3	868
3329	0	0	0	0	1	5	1	9	1	10
3334	0	0	0	0	0	0	0	0	1	16
3336	0	0	0	0	0	0	0	0	12	201
3342	2	7	0	0	3	49	63	1065	148	3277
3464	10	126	0	0	0	0	143	5627	20	1414
3466	0	0	0	0	0	0	0	0	7	654
3467	1	5	0	0	0	0	0	0	0	0
3468	0	0	0	0	0	0	0	0	6	170
3469	65	396	0	0	1	33	7	112	60	1241
3476	0	0	0	0	0	0	1	505	1	120
3477	0	0	0	0	0	0	0	0	55	625
3481	0	0	0	0	0	0	0	0	1	234
3483	0	0	0	0	3	96	0	0	121	1425
3504	0	0	0	0	0	0	0	0	5	30
3506	0	0	0	0	0	0	4	368	3	33
3508	0	0	0	0	0	0	5	321	0	0
3510	0	0	0	0	0	0	0	0	1	277
3512	33	392	0	0	0	0	0	0	2	285
3513	0	0	0	0	0	0	0	0	0	0
3514	0	0	0	0	0	0	0	0	0	0
3515	0	0	0	0	0	0	0	0	0	0
3516	0	0	0	0	0	0	0	0	0	0
3518	5	60	1	49	0	0	4	105	3	12
3505	0	0	0	0	0	0	2	439	0	0
3519	2	270	0	0	0	0	1	384	1	353
3522	204	4162	1	25	0	0	3	52	23	1392
3527	59	278	0	0	0	0	1	151	9	131
3528	0	0	0	0	0	0	0	0	23	562
3529	0	0	8	153	0	0	5	80	40	503
3533	0	0	0	0	0	0	0	0	27	162
3539	1	422	0	0	0	0	0	0	0	0
3541	0	0	0	0	0	0	0	0	141	1750
3543	10	57	0	0	4	109	3	21	97	2384
3546	0	0	0	0	0	0	0	0	0	0
3554	0	0	0	0	0	0	0	0	23	426
3556	0	0	0	0	0	0	0	0	0	0
3558	0	0	0	0	0	0	0	0	13	409
3559	38	667	5	28	140	760	42	289	222	4323
3562	0	0	0	0	0	0	0	0	0	0
3564	0	0	0	0	0	0	0	0	0	0
3567	0	0	0	0	0	0	0	0	3	781
3571	0	0	0	0	0	0	7	61	1	46
3576	0	0	0	0	0	0	0	0	2	303
3577	4	25	0	0	6	39	20	331	133	934
3578	0	0	0	0	0	0	0	0	9	568
3579	11	426	0	0	4	121	10	245	47	1517
4000	20	195	18	102	24	118	32	291	213	1804
5000	2401	1798	631	126	1979	283	7233	2626	6825	2715
CUT YTD	2869	9364	673	1487	2168	1693	7596	13796	8388	45550
1010	2	67	1	4	0	0	0	0	22	799
3582	0	0	3	43	0	0	1	15	76	543
3583	122	33	245	105	23	7	445	318	2157	639
3584	0	0	0	0	0	0	0	0	10	284
3586	1	40	69	1733	1	30	20	348	70	1188
3587	0	0	4	68	4	19	1	3	48	971
3588	0	0	3	726	2	113	3	148	31	1654
3589	0	0	72	2806	2	100	5	158	15	295
3591	0	0	2	7	0	0	0	0	5	47
3592	1	99	17	279	0	0	9	336	139	3505
3593	0	0	8	52	0	0	1	38	3	90
3594	0	0	2	516	0	0	7	293	36	3647
3595	0	0	0	0	0	0	2	7	8	79
3596	0	0	3	43	1	450	5	76	25	6800
3597	0	0	1	17	0	0	0	0	34	1809
3598	13	5138	0	0	0	0	2	243	13	812
3599	20	1636	30	1526	8	164	60	1830	162	3654
FRM YTD	159	7013	460	7926	41	883	561	3814	2854	26816
103 YTD	3028	16377	1133	9413	2209	2576	8157	17610	11242	72366

U.S. IMPORTS OF MACHINE TOOLS YEAR TO DATE SUMMARY
TOTAL AND COUNTRIES OF ORIGIN BY TYPE OF MACHINE
DECEMBER 1987

	NETHERLANDS		PORTUGAL		SPAIN		SWEDEN		SWITZERLAND	
674:	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000
3025	0	0	0	0	0	0	0	0	5	896
3035	0	0	0	0	0	0	0	0	1	419
3045	0	0	0	0	0	0	0	0	0	0
3404	0	0	0	0	3	86	0	0	0	0
3406	0	0	0	0	0	0	0	0	0	0
3409	4	1529	0	0	4	119	20	4486	1	1143
3411	1	168	0	0	1	288	2	68	25	6251
3412	0	0	0	0	0	0	1	167	36	6854
3413	0	0	0	0	0	0	0	0	0	0
3417	0	0	0	0	0	0	0	0	0	0
3418	0	0	0	0	0	0	0	0	1	750
3419	0	0	0	0	0	0	0	0	5	2465
3422	0	0	0	0	0	0	0	0	5	88
3423	0	0	0	0	1	7	0	0	4	44
3328	0	0	0	0	1	38	0	0	0	0
3329	0	0	0	0	0	0	0	0	2	141
3334	0	0	14	83	70	449	0	0	0	0
3336	0	0	0	0	0	0	2	9	0	0
3342	0	0	0	0	79	254	6	16	6	1369
3464	0	0	0	0	2	54	1	321	16	4206
3466	0	0	0	0	0	0	0	0	0	0
3467	14	58	0	0	863	5540	1	73	0	0
3468	0	0	0	0	21	301	2	457	0	0
3469	0	0	0	0	133	1471	24	2829	55	1007
3476	0	0	0	0	0	0	0	0	0	0
3477	0	0	0	0	4	213	0	0	1	443
3481	0	0	0	0	0	0	0	0	0	0
3483	0	0	0	0	35	153	1	3	7	1850
3504	0	0	0	0	0	0	0	0	1	117
3506	0	0	0	0	0	0	0	0	2	26
3508	0	0	0	0	0	0	1	161	6	3016
3510	0	0	0	0	0	0	3	344	14	225
3512	0	0	0	0	24	1048	0	0	0	0
3513	0	0	0	0	0	0	0	0	2	105
3514	0	0	0	0	0	0	0	0	5	1336
3515	0	0	0	0	7	118	0	0	33	1737
3516	2	345	0	0	1	9	0	0	28	606
3518	0	0	0	0	0	0	1	4	14	426
3505	0	0	0	0	1	60	0	0	1	160
3519	0	0	0	0	1	127	6	1270	2	325
3522	0	0	0	0	9	337	2	352	19	2231
3527	0	0	0	0	4	96	1	331	58	5041
3528	0	0	0	0	0	0	0	0	3	403
3529	5	48	0	0	9	692	3	29	90	1932
3533	0	0	0	0	0	0	3	116	11	213
3539	0	0	0	0	1	31	0	0	11	600
3541	0	0	0	0	1	7	0	0	0	0
3543	1	166	0	0	6	785	4	48	16	1173
3546	0	0	0	0	1	44	0	0	26	3651
3554	0	0	0	0	1	33	12	1114	88	3137
3556	0	0	0	0	0	0	0	0	0	0
3558	37	706	0	0	0	0	3	606	12	2321
3559	45	1241	0	0	19	502	26	1404	114	6546
3562	0	0	0	0	0	0	0	0	110	9835
3564	0	0	0	0	9	374	0	0	53	4341
3567	0	0	0	0	0	0	0	0	3	201
3571	1	239	0	0	0	0	4	39	3	62
3576	0	0	0	0	0	0	0	0	5	347
3577	52	202	3	70	19	259	3	45	5	137
3578	0	0	0	0	0	0	0	0	0	0
3579	23	983	3	48	29	272	31	364	28	903
4000	7	23	15	61	32	270	45	204	130	1582
5000	586	694	84	158	715	201	1891	1468	6615	425
CUT YTD	778	6401	119	419	2106	14237	2099	16327	7678	81083
1010	5	11	0	0	1	43	0	0	10	61
3582	4	25	0	0	0	0	6	67	20	413
3583	106	62	0	0	233	129	1564	278	742	318
3584	4	636	0	0	0	0	1	19	40	7440
3586	8	148	12	193	32	277	1	304	1	21
3587	1	8	1	14	47	342	58	916	5	421
3588	0	0	0	0	0	0	3	74	14	354
3589	8	251	35	401	6	61	3	201	0	0
3591	0	0	0	0	0	0	49	1023	0	0
3592	3	358	3	40	3	368	82	1354	78	3161
3593	0	0	0	0	0	0	0	0	7	1488
3594	0	0	0	0	0	0	1	341	3	498
3595	2	336	0	0	0	0	4	424	3	19
3596	4	259	0	0	7	316	13	1591	6	1001
3597	0	0	0	0	0	0	0	0	1	153
3598	12	238	0	0	0	0	0	0	13	93
3599	21	339	0	0	33	740	5	696	67	7116
FRM YTD	178	2671	51	649	362	2275	1790	7288	1010	22556
TOT YTD	956	9072	170	1068	2468	16512	3889	23615	8688	103639

U.S. IMPORTS OF MACHINE TOOLS YEAR TO DATE SUMMARY
TOTAL AND COUNTRIES OF ORIGIN BY TYPE OF MACHINE
DECEMBER 1987

674:	U. KINGDOM		W. GERMANY		YUGOSLAVIA		CANADA		BRAZIL	
	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000
3025	0	0	62	11663	0	0	0	0	0	0
3035	1	149	38	4666	0	0	0	0	0	0
3045	6	110	14	1338	0	0	0	0	0	0
3404	50	2391	26	2601	0	0	0	0	2	139
3406	8	685	1	102	0	0	0	0	0	0
3409	28	1813	25	3915	0	0	0	0	0	0
3411	17	1637	75	20831	0	0	1	124	0	0
3412	1	101	25	10759	0	0	1	302	0	0
3413	0	0	0	0	0	0	0	0	0	0
3417	0	0	0	0	0	0	1	224	0	0
3418	4	556	14	8628	0	0	1	25	0	0
3419	0	0	104	7497	0	0	1	18	0	0
3422	2	193	10	473	9	546	0	0	0	0
3423	14	362	9	1531	0	0	3	9	2	13
3328	1	18	3	504	0	0	1	80	0	0
3329	0	0	7	753	0	0	1	49	0	0
3330	2	33	1	9	0	0	0	0	3	20
3336	2	44	24	176	0	0	0	0	0	0
3342	39	1198	77	4366	1	7	41	549	19	193
3464	150	4314	24	3554	0	0	1	7	0	0
3466	1	6	5	57	0	0	0	0	0	0
3467	120	1973	3	292	0	0	0	0	0	0
3468	32	516	12	2324	0	0	0	0	0	0
3469	20	834	81	6744	0	0	5	1431	0	0
3476	0	0	4	1034	0	0	0	0	0	0
3477	2	137	2	38	0	0	0	0	0	0
3481	2	748	11	572	0	0	0	0	0	0
3483	6	839	105	16333	1	70	31	887	0	0
3504	5	387	3	515	0	0	1	10	8	34
3506	295	3285	46	9075	0	0	3	68	0	0
3508	9	907	29	3933	0	0	0	0	1	15
3510	0	0	11	1813	0	0	0	0	0	0
3512	729	6664	0	0	87	761	13	160	82	740
3513	1	10	2	581	0	0	0	0	0	0
3514	0	0	6	2271	0	0	0	0	0	0
3515	1	3	4	397	0	0	0	0	0	0
3516	5	594	1	192	0	0	8	276	0	0
3518	11	323	0	1	122	1230	2	92	14	53
3505	0	0	4	1186	0	0	1	6	18	128
3519	0	0	21	4643	0	0	4	159	0	0
3522	127	1684	44	2776	44	327	13	726	188	936
3527	9	425	71	18624	0	0	1	55	0	0
3528	7	234	3	309	0	0	0	0	0	0
3529	152	2893	345	7017	0	0	29	372	0	0
3533	125	1256	95	9058	0	0	0	0	0	0
3539	4	801	7	785	0	0	1	89	0	0
3541	1	20	52	1222	0	0	0	0	0	0
3543	174	2209	372	5565	84	744	72	367	0	0
3546	10	2972	94	19285	0	0	0	0	0	0
3554	3	37	42	2218	0	0	0	0	0	0
3556	1	68	13	1630	0	0	0	0	0	0
3558	11	530	13	2650	0	0	0	0	0	0
3559	163	8756	274	16822	0	0	39	415	0	0
3562	0	0	0	0	0	0	0	0	0	0
3564	9	44	38	1743	0	0	0	0	3	16
3567	7	2213	12	3854	0	0	0	0	0	0
3571	46	760	24	3916	0	0	0	0	0	0
3576	5	129	15	1548	0	0	1	87	0	0
3577	187	1092	337	4143	18	63	157	2003	0	0
3578	61	3724	15	110	0	0	0	0	0	0
3579	152	2409	292	18619	0	0	375	6840	0	0
4000	780	2588	542	5287	2	16	208	886	0	0
5000	9187	3071	61989	5500	54	90	5809	2800	24	31
CUT YTD	12785	68745	65578	268045	422	3854	6825	19115	364	2318
1010	25	155	69	3520	0	0	194	3547	0	0
3582	93	540	76	883	0	0	132	1292	0	0
3583	1067	478	3972	2189	0	0	683	328	0	0
3584	0	0	41	5306	0	0	0	0	0	0
3586	81	1048	45	1396	0	0	47	918	0	0
3587	5	407	118	3036	0	0	34	341	0	0
3588	5	488	42	4987	0	0	5	218	0	0
3589	7	146	4	74	0	0	120	3574	0	0
3591	24	281	1	12	0	0	3	19	0	0
3592	27	852	125	4546	0	0	366	5035	0	0
3593	0	0	39	2893	0	0	4	278	0	0
3594	6	75	8	698	0	0	6	207	10	4918
3595	6	127	37	1642	0	0	5	216	0	0
3596	52	7553	73	4765	1	12	68	3181	1	15
3597	1	5	37	3112	0	0	3	209	0	0
3598	12	478	51	5093	0	0	15	137	0	0
3599	82	4056	413	19770	0	0	277	10631	0	0
FRM YTD	1493	16688	5151	63921	1	12	1962	30130	11	4933
TOT YTD	14278	85432	70729	331966	423	3866	8787	49245	375	7251

U.S. IMPORTS OF MACHINE TOOLS YEAR TO DATE SUMMARY
TOTAL AND COUNTRIES OF ORIGIN BY TYPE OF MACHINE
DECEMBER 1987

	CHINA		ISRAEL		JAPAN		KOREAN REP		SINGAPORE	
674	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000
3025	2	102	0	0	9	1083	1	25	0	0
3035	2	29	0	0	8	1218	0	0	0	0
3045	0	0	5	68	1	144	0	0	0	0
3404	0	0	0	0	1313	115475	0	0	2	94
3406	0	0	0	0	128	13767	2	105	0	0
3409	1	139	1	81	587	97044	1	141	1	54
3411	5	102	0	0	255	20914	14	546	2	117
3412	0	0	0	0	1	276	0	0	0	0
3413	0	0	0	0	3	179	0	0	0	0
3417	0	0	0	0	5	1820	0	0	0	0
3418	2	53	0	0	79	7368	2	99	0	0
3419	0	0	0	0	6	619	0	0	0	0
3422	0	0	0	0	0	0	0	0	0	0
3423	2	8	0	0	16	1227	0	0	0	0
3328	0	0	0	0	80	4234	0	0	0	0
3329	0	0	0	0	56	1246	0	0	0	0
3334	4	20	0	0	3	54	5	51	0	0
3336	0	0	0	0	7	134	0	0	0	0
3342	9	23	0	0	105	3580	0	0	2	40
3464	1	51	1	12	118	17279	1	118	0	0
3466	0	0	0	0	1	38	0	0	0	0
3467	0	0	0	0	8	146	0	0	120	597
3468	0	0	0	0	5	224	7	78	0	0
3469	151	667	0	0	54	2657	2	34	0	0
3476	0	0	0	0	16	3719	2	116	0	0
3477	1	33	0	0	13	825	2	93	0	0
3481	0	0	0	0	22	3923	0	0	0	0
3483	0	0	0	0	36	2235	0	0	0	0
3504	1	173	0	0	81	11578	0	0	0	0
3506	0	0	0	0	2243	148422	182	7668	43	420
3508	0	0	0	0	350	35528	13	580	0	0
3510	0	0	0	0	127	10086	1	41	0	0
3512	13	78	0	0	17	1033	456	2641	207	1840
3513	0	0	0	0	26	1149	4	34	0	0
3514	1	7	0	0	25	1557	0	0	0	0
3515	0	0	0	0	7	217	0	0	0	0
3516	0	0	0	0	1	206	0	0	0	0
3518	6	36	0	0	7	421	1	21	0	0
3505	0	0	0	0	56	5251	0	0	1	88
3519	0	0	0	0	157	13526	11	203	0	0
3522	14	84	0	0	68	2772	33	893	0	0
3527	2	12	0	0	45	646	8	267	0	0
3528	0	0	0	0	12	885	0	0	0	0
3529	2	36	0	0	91	3205	0	0	78	1195
3533	0	0	0	0	39	2254	0	0	0	0
3539	7	417	0	0	12	1122	0	0	0	0
3541	0	0	0	0	26	749	0	0	80	1029
3543	11	104	2	10	436	7170	2	21	1	14
3546	0	0	0	0	36	4792	0	0	0	0
3554	10	46	0	0	40	2848	0	0	0	0
3556	5	84	0	0	6	518	0	0	0	0
3558	3	50	0	0	11	860	0	0	0	0
3559	14	168	1	66	150	10776	0	0	12	168
3562	1	18	0	0	443	32207	1	20	0	0
3564	0	0	0	0	173	11252	0	0	0	0
3567	0	0	1	79	72	8835	0	0	0	0
3571	0	0	0	0	108	2604	0	0	0	0
3576	0	0	0	0	91	68062	0	0	0	0
3577	2	20	17	904	186	5012	1	10	0	0
3578	0	0	0	0	3	103	0	0	0	0
3579	1	30	2	71	294	10965	0	0	3	163
4000	40	273	1	9	1447	3153	4	78	75	7
5000	4720	531	6	8	59670	10117	500	392	2524	1704
CUT YTD	5033	3393	37	1308	69491	721286	1256	14272	3151	7527
1010	0	0	0	0	100	9033	2	8	0	0
3582	0	0	1	49	108	2739	1	27	0	0
3583	196	9	20	7	4006	1871	103	31	17	37
3584	0	0	0	0	218	27817	0	0	0	0
3586	0	0	54	989	189	5436	0	0	57	592
3587	0	0	0	0	234	2251	1	3	0	0
3588	0	0	6	104	107	7333	0	0	0	0
3589	0	0	16	431	308	7754	0	0	12	252
3591	0	0	0	0	5	88	0	0	1	7
3592	0	0	3	32	171	4909	0	0	0	0
3593	0	0	0	0	46	17266	0	0	0	0
3594	0	0	0	0	1211	102616	0	0	3	38
3595	0	0	0	0	125	39375	0	0	57	746
3596	0	0	0	0	277	96277	4	33	1	7
3597	0	0	1	20	51	2885	0	0	0	0
3598	0	0	0	0	26	528	0	0	0	0
3599	0	0	21	764	496	11725	41	305	1	71
FRM YTD	196	9	122	2396	7678	339901	152	407	149	1750
TOT YTD	5229	3402	159	3704	77169	1061186	1408	14679	3300	9277

U.S. IMPORTS OF MACHINE TOOLS YEAR TO DATE SUMMARY
TOTAL AND COUNTRIES OF ORIGIN BY TYPE OF MACHINE
DECEMBER 1987

674	TAIWAN		AUSTRALIA		ALL OTHERS	
	UNITS	$000	UNITS	$000	UNITS	$000
3025	0	0	0	0	2	62
3035	0	0	0	0	0	0
3045	3	69	0	0	1	11
3404	130	6137	0	0	0	0
3406	52	2834	0	0	0	0
3409	39	1510	0	0	0	0
3411	54	2184	0	0	3	198
3412	0	0	0	0	0	0
3413	0	0	0	0	0	0
3417	0	0	0	0	0	0
3418	0	0	0	0	0	0
3419	35	1399	0	0	1	611
3422	5	98	0	0	0	0
3423	173	844	0	0	0	0
3328	63	1733	0	0	5	136
3329	2	8	0	0	0	0
3334	74	308	0	0	6	30
3336	24	116	0	0	0	0
3342	104	1238	4	35	19	285
3464	153	4175	0	0	2	28
3466	1	110	0	0	0	0
3467	1519	7321	0	0	104	620
3468	129	2378	0	0	0	0
3469	460	2290	3	34	20	362
3476	3	161	0	0	0	0
3477	10	45	0	0	0	0
3481	5	293	0	0	3	150
3483	2	74	0	0	9	252
3504	11	32	0	0	0	0
3506	176	2472	1	10	8	203
3508	3	149	0	0	0	0
3510	0	0	0	0	0	0
3512	1201	6789	0	0	175	1411
3513	49	1189	0	0	0	0
3514	0	0	0	0	0	0
3515	0	0	0	0	0	0
3516	0	0	0	0	0	0
3518	1	6	0	0	1	4
3505	19	238	0	0	0	0
3519	10	381	1	13	2	51
3522	154	1073	7	95	35	416
3527	65	401	0	0	2	82
3528	0	0	0	0	0	0
3529	170	969	1	52	2	50
3533	5	19	0	0	0	0
3539	1	12	0	0	0	0
3541	11	105	0	0	0	0
3543	707	5741	1	15	45	861
3546	0	0	0	0	0	0
3554	36	336	0	0	4	81
3556	0	0	0	0	2	253
3558	3	28	0	0	1	42
3559	186	1230	10	56	37	199
3562	5	68	66	393	0	0
3564	92	940	0	0	0	0
3567	1	10	15	259	0	0
3571	35	135	0	0	3	28
3576	3	335	0	0	0	0
3577	373	1551	0	0	4	1114
3578	0	0	0	0	0	0
3579	51	248	0	0	4	27
4000	770	2419	8	23	258	426
5000	815532	60838	415	196	100626	3334
CUT YTD	822710	123039	532	1181	101384	11327
1010	15	89	0	0	2	2350
3582	3	18	0	0	7	59
3583	10355	2191	30	8	420	633
3584	0	0	0	0	5	782
3586	17	55	1	14	19	735
3587	1	20	0	0	10	566
3588	0	0	0	0	3	706
3589	34	579	0	0	7	124
3591	16	117	0	0	19	89
3592	41	231	3	60	53	354
3593	0	0	5	204	3	144
3594	8	189	0	0	9	588
3595	10	90	0	0	3	23
3596	51	584	5	52	17	2005
3597	1	3	0	0	0	0
3598	2	19	0	0	14	64
3599	34	291	6	108	47	1272
FRM YTD	10588	4476	50	444	638	12492
TOT YTD	833298	127515	582	1625	102022	23818

U.S. IMPORTS OF MACHINE TOOLS YEAR TO DATE SUMMARY TOTAL AND COUNTRIES OF ORIGIN
THE FOLLOWING IS A BREAKDOWN OF THE ACTIVITY BY COUNTRY WHICH IS INCLUDED IN THE
ALL OTHER COLUMN
DECEMBER 1987

	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	$000	UNITS	$000	UNITS	$000
OTHER EUROPE						
AZORES	0	0	0	0	0	0
BULGARIA	2	4	0	0	2	4
CYPRUS	0	0	0	0	0	0
CZECHOSLOVAKIA	77	725	0	0	77	725
EAST GERMANY	35	1033	2	66	37	1099
FINLAND	216	944	16	3893	232	4836
GIBRALTAR	0	0	0	0	0	0
GREECE	89	648	6	51	95	699
HUNGARY	6	110	7	148	13	258
ICELAND	0	0	0	0	0	0
IRELAND	6	35	3	690	9	725
MALTA	0	0	0	0	0	0
NORWAY	56	193	24	375	80	569
POLAND	171	1381	0	0	171	1381
ROMANIA	19	587	3	18	22	605
USSR	5	1102	0	0	5	1102
OTHER EUROPE	0	0	0	0	0	0
TOTAL	682	6761	61	5241	743	12002
OTHER NORTH AND CENTRAL AMERICA						
BAHAMAS	0	0	0	0	0	0
BARBADOS	0	0	0	0	0	0
BELIZE	0	0	0	0	0	0
BERMUDA	0	0	0	0	0	0
CAYMAN	0	0	0	0	0	0
COSTA RICA	3	4	1	56	4	60
DOMINICAN REP.	2	158	0	0	2	158
FR. W. INDIES	0	0	0	0	0	0
GUATEMALA	0	0	0	0	0	0
HAITI	0	0	0	0	0	0
HONDURAS	0	0	0	0	0	0
JAMAICA	0	0	0	0	0	0
LW & WW IS	2205	70	0	0	2205	70
MEXICO	97160	3069	376	1113	97536	4181
NICARAGUA	0	0	0	0	0	0
N. ANTILLES	0	0	0	0	0	0
PANAMA	1	1	0	0	1	1
SALVADOR	0	0	0	0	0	0
TRINIDAD	0	0	0	0	0	0
TURK ISLAND	0	0	0	0	0	0
OTHER N & C AM	0	0	0	0	0	0
TOTAL	99371	3302	377	1169	99748	4471
OTHER SOUTH AMERICA						
ARGENTINA	11	249	1	16	12	265
BOLIVIA	0	0	0	0	0	0
CHILE	0	0	0	0	0	0
COLOMBIA	0	0	0	0	0	0
ECUADOR	0	0	0	0	0	0
FRENCH GUIANA	0	0	0	0	0	0
GUYANA	0	0	0	0	0	0
PARAGUAY	0	0	0	0	0	0
PERU	0	0	0	0	0	0
SURINAM	1	3	0	0	1	3
URAGUAY	0	0	0	0	0	0
VENEZUELA	1	3	0	0	1	3
OTHER S AM	0	0	0	0	0	0
TOTAL	13	254	1	16	14	270
OTHER OCEANIA						
FR. PAC. IS	0	0	0	0	0	0
NEW GUINEA	0	0	0	0	0	0
NEW ZEALAND	16	19	97	5052	113	5071
SAMOA	0	0	0	0	0	0
TERR PAC IS	0	0	0	0	0	0
OTH PAC IS	0	0	0	0	0	0
OTHER OCEANIA	0	0	0	0	0	0
TOTAL	16	19	97	5052	113	5071

U.S. IMPORTS OF MACHINE TOOLS YEAR TO DATE SUMMARY TOTAL AND COUNTRIES OF ORIGIN
THE FOLLOWING IS A BREAKDOWN OF THE ACTIVITY BY COUNTRY WHICH IS INCLUDED IN THE
ALL OTHER COLUMN
DECEMBER 1987

	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	$000	UNITS	$000	UNITS	$000
OTHER ASIA						
ADEN	0	0	0	0	0	0
AFGHANISTAN	0	0	0	0	0	0
ARAB EMIRATES	0	0	0	0	0	0
BAHRAIN	0	0	0	0	0	0
BANGLADESH	0	0	0	0	0	0
BRUNEI	0	0	0	0	0	0
BURMA	0	0	0	0	0	0
GAZA STRIP	0	0	0	0	0	0
HONG KONG	914	191	12	93	926	284
INDIA	268	204	19	55	287	259
INDONESIA	10	62	0	0	10	62
IRAN	0	0	0	0	0	0
IRAQ	0	0	0	0	0	0
JORDAN	1	61	0	0	1	61
KUWAIT	0	0	0	0	0	0
LEBANON	0	0	0	0	0	0
MALAYSIA	1	28	1	2	2	30
NEPAL	0	0	0	0	0	0
OMAN	0	0	0	0	0	0
PAKISTAN	0	0	0	0	0	0
PHILIPPINES	0	0	0	0	0	0
QATAR	0	0	0	0	0	0
SAUDI ARABIA	2	24	0	0	2	24
SRI LANKA	0	0	0	0	0	0
SYRIA	0	0	0	0	0	0
THAILAND	60	3	4	44	64	48
TURKEY	6	271	5	3	11	274
YEMEN	0	0	0	0	0	0
OTHER ASIA	20	99	0	0	20	99
TOTAL	1282	944	41	197	1323	1140
OTHER AFRICA						
AFARS & ISSAS	0	0	0	0	0	0
ALGERIA	0	0	0	0	0	0
ANGOLA	0	0	0	0	0	0
BENIN	0	0	0	0	0	0
BOTSWANA	0	0	0	0	0	0
CAMEROON	0	0	0	0	0	0
CANARY ISLANDS	0	0	0	0	0	0
DAHOMEY	0	0	0	0	0	0
EGYPT	0	0	0	0	0	0
ETHIOPIA	0	0	0	0	0	0
GABON	0	0	0	0	0	0
GHANA	8	29	0	0	8	29
GUINEA	0	0	0	0	0	0
IVORY COAST	0	0	0	0	0	0
KENYA	0	0	0	0	0	0
LESOTHO	0	0	0	0	0	0
LIBERIA	0	0	0	0	0	0
LIBYA	0	0	0	0	0	0
MALAG. REP	0	0	0	0	0	0
MALAWI	0	0	0	0	0	0
MAURITANIA	0	0	0	0	0	0
MAURITIUS	1	9	0	0	1	9
MOROCCO	0	0	0	0	0	0
MOZAMBIQUE	0	0	0	0	0	0
NIGER	7	3	0	0	7	3
NIGERIA	0	0	0	0	0	0
REP S. AFRICA	3	3	61	817	64	820
RWANDA	0	0	0	0	0	0
SENEGAL	0	0	0	0	0	0
SIERRA LEONE	0	0	0	0	0	0
SOMALIA	0	0	0	0	0	0
S. W. AFRICA	0	0	0	0	0	0
SUDAN	0	0	0	0	0	0
SWAZILAND	0	0	0	0	0	0
TANZANIA	0	0	0	0	0	0
TOGO	0	0	0	0	0	0
TUNISIA	0	0	0	0	0	0
UGANDA	0	0	0	0	0	0
ZAIRE	0	0	0	0	0	0
ZAMBIA	0	0	0	0	0	0
ZIMBABWE	0	0	0	0	0	0
OTH. WEST AFR	0	0	0	0	0	0
OTHER AFRICA	1	3	0	0	1	3
TOTAL	20	47	61	817	81	864

SOURCE U.S. DEPARTMENT OF COMMERCE CENSUS REPORT NO. IM146, NATIONAL MACHINE TOOL BUILDERS' ASSOCIATION

NOTES 1)'0-' - DOLLAR AMOUNT LESS THAN $500 2)N.E.C. - NOT ELSEWHERE CLASSIFIED 3)INDIVIDUAL ITEMS MAY NOT ADD TO TOTALS DUE TO ROUNDING 4)MACHINE TOOL IMPORTS, AS REFLECTED IN THE GOVERNMENT STATISTICS, ARE ACTUALLY UNDERVALUED SINCE THEY REFLECT VALUES IN THE COUNTRY OF ORIGIN AND DO NOT INCLUDE OCEAN FREIGHT, INSURANCE, COMMISSIONS OR IMPORT DUTIES

A8050-3

U.S. EXPORTS OF MACHINE TOOLS
TOTAL AND COUNTRIES OF DESTINATION BY TYPE OF MACHINE
DECEMBER 1987

RELEASED: MARCH 25, 1988

		TOTAL YTD		TOTAL MO.	
674	METAL CUTTING	UNITS	$000	UNITS	$000
3020	Gear Hobbers & Shapers	59	7048	11	1159
3045	Gear Cutting Machines, N.E.C.	113	30884	17	4290
3204	Vertical Mach. Ctrs. ATC, NC, Y-Axis Travel 26" or Less	29	1734	0	0
3206	Vertical Mach. Ctrs. ATC, NC, Y-Axis Travel Over 26"	5	739	2	201
3209	Horizontal Machining Centers, ATC, NC	24	6286	4	678
3211	Machining Centers, NC, N.E.C.	144	11815	3	156
3216	Single Station and Multi-Station Transfer Machines	23	14550	0	0
3225	Way Type Machines (Unit Heads)	13	2245	0	0
3245	Horiz. Boring-Drilling-Milling Machines, Table Type, NC	11	2212	1	322
3246	Horiz. Boring-Drilling-Milling Machines, NC, N.E.C.	9	1224	0	0
3247	Vertical Boring-Drilling-Milling Machines, NC	12	1159	1	168
3248	Horiz. Boring-Drilling-Milling Machines, Non-NC	15	1508	0	0
3249	Vertical Boring-Drilling-Milling Machines, Non-NC	73	2228	9	96
3254	Drilling Machines, NC	28	3235	2	591
3255	Drilling Machines, Multi-Spindle, Non-NC	46	2489	0	0
3256	Drilling Machines, Radial, Non-NC	41	433	2	38
3257	Drilling Machines, Upright, Single Spindle, Non-NC	14	246	2	8
3258	Drilling Machines, Non-NC, N.E.C.	195	4096	9	415
3264	Milling Machines, NC	82	19073	20	2181
3266	Milling Machines, Profiling, Dupl. & Die Sinking, Non-NC	19	641	0	0
3267	Milling Machines, Knee Type, Non-NC	3	92	1	26
3268	Milling Machines, Bed Type, Non-NC	2	112	0	0
3269	Milling Machines, Non-NC, N.E.C.	224	4826	18	219
3276	Vertical Boring Machines, Incl. VTLs, NC	5	1331	0	0
3277	Vertical Boring Machines, Incl. VTLs, Non-NC	140	9794	11	234
3281	Boring Machines, NC, N.E.C.	4	926	0	0
3283	Boring Machines, Non-NC, N.E.C.	77	5255	12	419
3503	Horizontal Lathes, Multi-Spindle, NC	17	2322	7	663
3505	Horizontal Lathes, Excl. Multi-Spindle, NC, Less Than 25 HP	103	8383	19	1126
3507	Horizontal Lathes, Excl. Multi-Spindle, NC, 25-50 HP	26	3647	4	564
3509	Horizontal Lathes, Excl. Multi-Spindle, NC, Over 50 HP	15	2947	4	415
3510	Horizontal Engine & Toolroom Lathes, Non-NC	74	1157	7	57
3511	Automatic Chucking Lathes, Single Spindle, Non-NC	8	1063	1	476
3512	Automatic Chucking Lathes, Multi-Spindle, Non-NC	19	1996	1	61
3515	Automatic Bar Machines, Single-Spindle, Non-NC	44	1439	6	155
3516	Automatic Bar Machines, Multi-Spindle, Non-NC	49	1922	8	212
3518	Horizontal Lathes, Non-NC, N.E.C.	508	14973	40	612
3521	Vertical Lathes, Multi-Spindle, Excl. VTLs, NC	6	1342	0	0
3523	Vertical Lathes, Excl. Multi-Spindle & VTLs, NC	14	1401	0	0
3525	Vertical Lathes, Excl. VTLs, Non-NC	149	9149	25	1254
3528	Grinding, Polishing, Honing & Lapping Machines, NC	188	31060	9	1697
3529	Gear Tooth Grinding & Finishing Machines, Non-NC	26	3568	2	42
3531	Tool & Cutter Grinding Machines, Non-NC	238	7976	22	705
3532	Honing & Lapping Machines, Non-NC	388	6852	96	1608
3533	Grinding Machines, Flat Surface Reciprocating Table, Non-NC	117	1975	6	84
3538	Grinding Machines, Flat Surface, Non-NC, N.E.C.	368	23366	33	1770
3541	External Grinding Machines, Non-NC	41	4043	11	1825
3542	Internal Grinding Machines, Non-NC	34	6310	10	2328
3544	Grinding, Polishing & Buffing Machines, Non-NC, N.E.C.	188	10665	16	1234
3546	Grinding Machines, Non-NC, N.E.C.	339	11480	16	1646
3547	Traveling Wire Electrical Discharge Machines	17	258	2	64
3549	All Other Electrical Discharge Machines	139	3247	18	821
3551	Spark Erosion, Ultrasonic & Electrolytic Machines, NC	19	1065	5	221
3553	Spark Erosion, Ultrasonic & Electrolytic Machines, Non-NC	52	1845	13	224
3559	Metal Cutting Machine Tools, NC, N.E.C.	75	5047	5	146
3565	Sawing & Cut-OFF Machines, Non-NC	467	6961	32	457
3566	Broaching Machines, Non-NC	13	383	0	0
3567	Metal Cutting Machine Tools, Non-NC, N.E.C.	200	10218	49	2333
4000	Metal Cutting Machine Tools, Used Or Rebuilt*	5628	44557	233	4795
5000	Metal Cutting Machine Tools, Less Than $2500**	28576	14664	2403	1987
	TOTAL CUTTING			3228	40791
	TOTAL CUTTING YTD	39555	383545		
674	METAL FORMING				
1011	Die Casting Machines & Parts	0	17651	0	864
3568	Metal Forming Machine Tools, Used Or Rebuilt	714	19121	31	605
3569	Metal Forming Machine Tools, Less Than $2500	7114	4217	478	307
3571	Punching & Shearing Machines, Incl. Combination, NC	71	8543	5	1053
3573	Shearing Machines, Non-NC	85	3566	7	52
3575	Punching & Combination Punching & Shearing Machines, Non-NC	601	10398	60	1099
3578	Bending, Folding, Straightening & Flattening Machines, NC	79	5019	2	32
3582	Press Brakes, Non-NC	38	1683	4	494
3583	Bending Rolls, Ram & Press Bending Machines, Non-NC	16	1085	1	50
3584	Bending, Folding, Str. & Flattening Machines, Non-NC, N.E.C.	726	25552	58	4109
3588	Mechanical Presses	255	22889	30	2700
3589	Hydraulic Presses, Vertical, Single Action	56	6733	4	213
3590	Hydraulic & Pneumatic Presses	759	41441	88	5312
3594	Headers & Upsetters, Non-NC	90	15865	10	3891
3595	Forging Machines, Non-NC, N.E.C.	190	8038	33	2823
3598	Metal Forming Machine Tools, Non-NC, N.E.C.	1130	75039	215	7609
	TOTAL FORMING			1026	31217
	TOTAL FORMING YTD	11924	266881		
	TOTAL ALL TYPES			4254	72008
	TOTAL ALL TYPES YTD	51479	650426		

*CODE 6744000 SHOWN ABOVE REPRESENTS COMBINED DATA FROM CODES 674 3015, 3241, 3252, 3261, 3272, 3501, 3526, & 3554

**CODE 6745000 SHOWN ABOVE REPRESENTS COMBINED DATA FROM CODES 674 3243, 3253, 3262, 3273, 3502, 3527, & 3557

U.S. EXPORTS OF MACHINE TOOLS
TOTAL AND COUNTRIES OF DESTINATION BY TYPE OF MACHINE
DECEMBER 1987

	AUSTRIA		BELGIUM		DENMARK		FRANCE		IRELAND	
674:	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000
3020	0	0	0	0	0	0	0	0	0	0
3045	0	0	0	0	0	0	0	0	0	0
3204	0	0	0	0	0	0	0	0	0	0
3206	0	0	0	0	0	0	0	0	0	0
3209	0	0	0	0	0	0	0	0	0	0
3211	0	0	0	0	0	0	0	0	0	0
3216	0	0	0	0	0	0	0	0	0	0
3225	0	0	0	0	0	0	0	0	0	0
3245	0	0	0	0	0	0	0	0	0	0
3246	0	0	0	0	0	0	0	0	0	0
3247	0	0	0	0	0	0	0	0	0	0
3248	0	0	0	0	0	0	0	0	0	0
3249	0	0	0	0	0	0	0	0	0	0
3254	0	0	0	0	0	0	0	0	0	0
3255	0	0	0	0	0	0	0	0	0	0
3256	0	0	0	0	0	0	0	0	0	0
3257	0	0	0	0	0	0	0	0	0	0
3258	0	0	0	0	0	0	0	0	0	0
3264	0	0	0	0	0	0	1	272	0	0
3266	0	0	0	0	0	0	0	0	0	0
3267	0	0	0	0	0	0	0	0	0	0
3268	0	0	0	0	0	0	0	0	0	0
3269	0	0	0	0	0	0	0	0	0	0
3276	0	0	0	0	0	0	0	0	0	0
3277	0	0	0	0	0	0	0	0	0	0
3281	0	0	0	0	0	0	0	0	0	0
3283	0	0	1	170	0	0	1	12	0	0
3503	0	0	0	0	0	0	0	0	0	0
3505	0	0	0	0	0	0	1	143	0	0
3507	0	0	0	0	0	0	0	0	0	0
3509	0	0	0	0	0	0	0	0	0	0
3510	0	0	0	0	0	0	0	0	0	0
3511	0	0	0	0	0	0	0	0	0	0
3512	0	0	0	0	0	0	0	0	0	0
3515	0	0	0	0	0	0	0	0	2	20
3516	0	0	0	0	0	0	0	0	0	0
3518	0	0	0	0	0	0	0	0	0	0
3521	0	0	0	0	0	0	0	0	0	0
3523	0	0	0	0	0	0	0	0	0	0
3525	0	0	0	0	0	0	0	0	0	0
3528	0	0	0	0	0	0	0	0	0	0
3529	0	0	0	0	0	0	0	0	0	0
3531	0	0	0	0	0	0	0	0	0	0
3532	0	0	0	0	0	0	0	0	0	0
3533	0	0	0	0	0	0	0	0	0	0
3538	1	302	0	0	0	0	0	0	0	0
3541	0	0	0	0	0	0	1	28	0	0
3542	0	0	0	0	0	0	0	0	0	0
3544	0	0	0	0	0	0	0	0	3	234
3546	0	0	0	0	0	0	0	0	0	0
3547	0	0	0	0	0	0	0	0	0	0
3549	0	0	0	0	0	0	0	0	0	0
3551	0	0	0	0	0	0	0	0	0	0
3553	0	0	0	0	1	25	0	0	0	0
3559	1	68	0	0	0	0	0	0	0	0
3565	0	0	0	0	0	0	0	0	0	0
3566	0	0	0	0	0	0	0	0	0	0
3567	2	80	0	0	0	0	0	0	0	0
4000	0	0	0	0	1	20	5	1200	0	0
5000	10	6	22	11	10	6	20	15	0	0
CUT MO	14	455	23	181	12	51	29	1671	5	254
CUT YTD	109	16913	704	11490	19	779	242	5828	40	668
1011	0	8	0	0	0	0	0	132	0	0
3568	0	0	0	0	1	52	0	0	4	8
3569	0	0	0	0	0	0	42	7	0	0
3571	0	0	0	0	0	0	0	0	0	0
3573	2	7	0	0	0	0	0	0	0	0
3575	0	0	0	0	0	0	0	0	0	0
3578	0	0	0	0	0	0	0	0	2	32
3582	0	0	0	0	0	0	0	0	0	0
3583	0	0	0	0	0	0	0	0	0	0
3584	0	0	0	0	0	0	3	449	0	0
3588	0	0	0	0	0	0	1	120	0	0
3589	0	0	0	0	0	0	0	0	0	0
3590	0	0	0	0	0	0	0	0	0	0
3594	0	0	0	0	0	0	0	0	0	0
3595	0	0	0	0	0	0	0	0	0	0
3598	0	0	0	0	0	0	2	39	0	0
FRM MO	2	15	0	0	1	52	48	749	6	40
FRM YTD	18	276	238	1105	11	338	313	6407	36	1338
TOT MO	16	470	23	181	13	103	77	2419	11	293
TOT YTD	127	17189	942	12595	30	1117	555	12235	76	2007

U.S. EXPORTS OF MACHINE TOOLS
TOTAL AND COUNTRIES OF DESTINATION BY TYPE OF MACHINE
DECEMBER 1987

	ITALY		NETHERLANDS		POLAND		SPAIN		SWEDEN	
674:	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000
3020	0	0	0	0	0	0	0	0	0	0
3045	2	585	0	0	0	0	0	0	2	500
3204	0	0	0	0	0	0	0	0	0	0
3206	0	0	0	0	0	0	0	0	0	0
3209	0	0	0	0	0	0	0	0	0	0
3211	0	0	0	0	0	0	0	0	0	0
3216	0	0	0	0	0	0	0	0	0	0
3225	0	0	0	0	0	0	0	0	0	0
3245	0	0	0	0	0	0	0	0	0	0
3246	0	0	0	0	0	0	0	0	0	0
3247	0	0	0	0	0	0	0	0	0	0
3248	0	0	0	0	0	0	0	0	0	0
3249	0	0	0	0	0	0	0	0	0	0
3254	0	0	0	0	0	0	0	0	0	0
3255	0	0	0	0	0	0	0	0	0	0
3256	0	0	0	0	0	0	0	0	0	0
3257	0	0	0	0	0	0	0	0	0	0
3258	0	0	0	0	0	0	0	0	0	0
3264	0	0	0	0	0	0	0	0	0	0
3266	0	0	0	0	0	0	0	0	0	0
3267	0	0	0	0	0	0	0	0	0	0
3268	0	0	0	0	0	0	0	0	0	0
3269	0	0	0	0	0	0	0	0	0	0
3276	0	0	0	0	0	0	0	0	0	0
3277	0	0	2	45	0	0	0	0	0	0
3281	0	0	0	0	0	0	0	0	0	0
3283	0	0	0	0	0	0	0	0	0	0
3503	0	0	0	0	0	0	0	0	0	0
3505	1	65	0	0	0	0	0	0	0	0
3507	0	0	0	0	0	0	0	0	0	0
3509	0	0	0	0	0	0	0	0	0	0
3510	0	0	0	0	0	0	0	0	0	0
3511	1	476	0	0	0	0	0	0	0	0
3512	0	0	0	0	0	0	0	0	0	0
3515	0	0	0	0	0	0	0	0	0	0
3516	0	0	0	0	0	0	1	81	0	0
3518	0	0	1	8	0	0	0	0	0	0
3521	0	0	0	0	0	0	0	0	0	0
3523	0	0	0	0	0	0	0	0	0	0
3525	4	761	0	0	0	0	0	0	0	0
3528	1	106	0	0	0	0	0	0	2	679
3529	0	0	2	42	0	0	0	0	0	0
3531	1	4	0	0	0	0	0	0	1	8
3532	8	74	4	36	0	0	1	4	1	14
3533	0	0	0	0	0	0	0	0	0	0
3538	0	0	0	0	0	0	0	0	0	0
3541	0	0	0	0	0	0	0	0	0	0
3542	0	0	0	0	0	0	0	0	0	0
3544	0	0	0	0	0	0	0	0	0	0
3546	0	0	0	0	0	0	0	0	0	0
3547	0	0	0	0	0	0	0	0	0	0
3549	1	4	0	0	0	0	0	0	0	0
3551	0	0	0	0	0	0	0	0	0	0
3553	0	0	0	0	0	0	0	0	0	0
3559	0	0	1	25	0	0	0	0	0	0
3565	0	0	0	0	0	0	0	0	0	0
3566	0	0	0	0	0	0	0	0	0	0
3567	0	0	0	0	0	0	0	0	0	0
4000	40	214	5	135	0	0	0	0	0	0
5000	76	58	18	12	0	0	2	2	3	4
CUT MO	135	2345	33	302	0	0	4	87	9	1205
CUT YTD	1332	10519	401	1839	32	3637	328	1068	195	3168
1011	0	59	0	12	0	0	0	0	0	0
3568	0	0	0	0	0	0	0	0	0	0
3569	12	10	0	0	0	0	0	0	20	4
3571	0	0	1	183	0	0	0	0	0	0
3573	0	0	0	0	0	0	0	0	0	0
3575	0	0	0	0	0	0	0	0	0	0
3578	0	0	0	0	0	0	0	0	0	0
3582	0	0	0	0	0	0	0	0	1	20
3583	0	0	0	0	0	0	0	0	0	0
3584	0	0	0	0	0	0	3	261	0	0
3588	0	0	0	0	0	0	0	0	0	0
3589	0	0	0	0	0	0	0	0	0	0
3590	0	0	3	29	0	0	0	0	0	0
3594	1	316	0	0	0	0	0	0	0	0
3595	0	0	0	0	0	0	0	0	0	0
3598	2	75	4	242	0	0	1	132	4	335
FRM MO	15	459	8	465	0	0	4	393	25	358
FRM YTD	114	5445	136	2770	1	325	22	1713	79	3282
TOT MO	150	2804	41	767	0	0	8	481	34	1563
TOT YTD	1446	15965	537	4609	33	3962	350	2780	274	6449

U.S. EXPORTS OF MACHINE TOOLS
TOTAL AND COUNTRIES OF DESTINATION BY TYPE OF MACHINE
DECEMBER 1987

	SWITZERLAND		U. KINGDOM		USSR		W. GERMANY		YUGOSLAVIA	
674:	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000
3020	0	0	0	0	0	0	0	0	0	0
3045	0	0	0	0	0	0	3	432	0	0
3204	0	0	0	0	0	0	0	0	0	0
3206	0	0	0	0	0	0	0	0	0	0
3209	0	0	0	0	0	0	0	0	0	0
3211	0	0	0	0	0	0	1	82	0	0
3216	0	0	0	0	0	0	0	0	0	0
3225	0	0	0	0	0	0	0	0	0	0
3245	0	0	0	0	0	0	0	0	0	0
3246	0	0	0	0	0	0	0	0	0	0
3247	0	0	0	0	0	0	0	0	0	0
3248	0	0	0	0	0	0	0	0	0	0
3249	0	0	0	0	0	0	0	0	0	0
3254	0	0	1	377	0	0	0	0	0	0
3255	0	0	0	0	0	0	0	0	0	0
3256	0	0	0	0	0	0	0	0	0	0
3257	0	0	0	0	0	0	0	0	0	0
3258	0	0	1	5	0	0	0	0	0	0
3264	0	0	0	0	0	0	0	0	0	0
3266	0	0	0	0	0	0	0	0	0	0
3267	0	0	0	0	0	0	0	0	0	0
3268	0	0	0	0	0	0	0	0	0	0
3269	0	0	2	50	0	0	0	0	0	0
3276	0	0	0	0	0	0	0	0	0	0
3277	0	0	1	13	0	0	0	0	0	0
3281	0	0	0	0	0	0	0	0	0	0
3283	0	0	0	0	0	0	0	0	0	0
3503	0	0	5	395	0	0	0	0	0	0
3505	0	0	14	683	0	0	0	0	0	0
3507	0	0	1	70	0	0	0	0	0	0
3509	0	0	0	0	0	0	0	0	0	0
3510	0	0	0	0	0	0	0	0	0	0
3511	0	0	0	0	0	0	0	0	0	0
3512	0	0	0	0	0	0	0	0	0	0
3515	0	0	0	0	0	0	0	0	0	0
3516	0	0	0	0	0	0	0	0	0	0
3518	2	12	0	0	0	0	0	0	0	0
3521	0	0	0	0	0	0	0	0	0	0
3523	0	0	0	0	0	0	0	0	0	0
3525	0	0	9	201	0	0	0	0	0	0
3528	0	0	0	0	0	0	0	0	0	0
3529	0	0	0	0	0	0	0	0	0	0
3531	0	0	0	0	0	0	0	0	0	0
3532	13	165	6	74	0	0	11	133	0	0
3533	0	0	0	0	0	0	0	0	0	0
3538	0	0	17	358	0	0	0	0	0	0
3541	0	0	1	259	0	0	0	0	0	0
3542	0	0	5	453	5	1875	0	0	0	0
3544	0	0	2	47	0	0	1	149	0	0
3546	0	0	1	10	0	0	4	50	0	0
3547	0	0	0	0	0	0	0	0	0	0
3549	0	0	0	0	0	0	0	0	0	0
3551	0	0	1	46	0	0	0	0	0	0
3553	0	0	0	0	0	0	0	0	0	0
3559	0	0	0	0	0	0	0	0	0	0
3565	0	0	0	0	0	0	1	15	0	0
3566	0	0	0	0	0	0	0	0	0	0
3567	0	0	0	0	0	0	0	0	0	0
4000	8	243	11	370	0	0	10	207	1	75
5000	47	30	202	140	0	0	346	405	0	0
CUT MO	70	449	280	3550	5	1875	377	1474	1	75
CUT YTD	510	3874	3495	14950	14	2147	1550	19546	7	1374
1011	0	0	0	37	0	0	0	48	0	0
3568	0	0	0	0	0	0	0	0	0	0
3569	0	0	6	5	0	0	75	15	0	0
3571	0	0	2	113	0	0	0	0	0	0
3573	0	0	0	0	0	0	0	0	0	0
3575	1	43	1	7	0	0	9	319	0	0
3578	0	0	0	0	0	0	0	0	0	0
3582	0	0	0	0	0	0	0	0	0	0
3583	0	0	0	0	0	0	0	0	0	0
3584	0	0	5	237	0	0	9	730	0	0
3588	0	0	2	284	0	0	0	0	0	0
3589	0	0	0	0	0	0	0	0	0	0
3590	0	0	1	8	0	0	2	315	0	0
3594	0	0	0	0	0	0	7	2854	0	0
3595	0	0	5	194	0	0	3	60	0	0
3598	0	0	7	153	0	0	2	9	0	0
FRM MO	1	43	29	1038	0	0	107	4349	0	0
FRM YTD	24	1823	322	9972	36	1042	642	12498	6	177
TOT MO	71	493	309	4588	5	1875	484	5823	1	75
TOT YTD	534	5697	3817	24922	50	3189	2192	32044	13	1551

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	OTH. EUROPE		CANADA		MEXICO		OTH. N & C		ARGENTINA	
674	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000
3020	0	0	4	434	0	0	0	0	0	0
3045	0	0	5	658	0	0	0	0	0	0
3204	0	0	0	0	0	0	0	0	0	0
3206	0	0	2	201	0	0	0	0	0	0
3209	0	0	2	400	0	0	0	0	0	0
3211	0	0	1	48	0	0	0	0	0	0
3216	0	0	0	0	0	0	0	0	0	0
3225	0	0	0	0	0	0	0	0	0	0
3245	0	0	0	0	0	0	0	0	0	0
3246	0	0	0	0	0	0	0	0	0	0
3247	0	0	0	0	0	0	0	0	0	0
3248	0	0	0	0	0	0	0	0	0	0
3249	0	0	1	5	1	20	0	0	0	0
3254	0	0	0	0	0	0	0	0	0	0
3255	0	0	0	0	0	0	0	0	0	0
3256	0	0	0	0	1	6	0	0	0	0
3257	0	0	2	8	0	0	0	0	0	0
3258	0	0	0	0	2	15	0	0	3	203
3264	0	0	9	1403	6	217	0	0	0	0
3266	0	0	0	0	0	0	0	0	0	0
3267	0	0	1	26	0	0	0	0	0	0
3268	0	0	0	0	0	0	0	0	0	0
3269	0	0	0	0	5	71	0	0	0	0
3276	0	0	0	0	0	0	0	0	0	0
3277	0	0	0	0	8	176	0	0	0	0
3281	0	0	0	0	0	0	0	0	0	0
3283	0	0	0	0	8	142	0	0	0	0
3503	0	0	0	0	1	150	0	0	0	0
3505	0	0	0	0	0	0	0	0	2	160
3507	0	0	1	83	0	0	0	0	0	0
3509	0	0	0	0	0	0	0	0	0	0
3510	0	0	3	25	1	8	0	0	0	0
3511	0	0	0	0	0	0	0	0	0	0
3512	0	0	0	0	0	0	0	0	0	0
3515	0	0	2	8	0	0	0	0	0	0
3516	0	0	6	83	0	0	0	0	0	0
3518	0	0	1	37	24	398	1	10	0	0
3521	0	0	0	0	0	0	0	0	0	0
3523	0	0	0	0	0	0	0	0	0	0
3525	0	0	1	115	7	121	0	0	0	0
3528	0	0	4	287	0	0	0	0	0	0
3529	0	0	0	0	0	0	0	0	0	0
3531	3	18	7	55	1	5	0	0	0	0
3532	0	0	0	0	1	6	0	0	0	0
3533	0	0	4	49	0	0	0	0	0	0
3538	0	0	0	0	8	118	0	0	0	0
3541	0	0	1	246	5	225	0	0	0	0
3542	0	0	0	0	0	0	0	0	0	0
3544	0	0	0	0	2	8	0	0	0	0
3546	0	0	1	3	6	1156	0	0	0	0
3547	0	0	2	64	0	0	0	0	0	0
3549	0	0	0	0	2	129	0	0	0	0
3551	0	0	0	0	0	0	0	0	0	0
3553	0	0	1	20	0	0	0	0	0	0
3559	0	0	3	54	0	0	0	0	0	0
3565	0	0	11	118	16	246	0	0	0	0
3566	0	0	0	0	0	0	0	0	0	0
3567	0	0	5	157	5	1444	1	21	0	0
4000	5	924	21	109	57	702	2	4	0	0
5000	45	27	492	382	87	96	58	44	0	0
CUT MO	53	969	593	5078	254	5459	62	79	5	362
CUT YTD	486	3562	6872	60481	5064	54926	824	2238	93	1616
1011	0	73	0	277	0	15	0	13	0	0
3568	0	0	3	17	13	152	0	0	0	0
3569	0	0	232	151	39	44	2	4	0	0
3571	0	0	2	758	0	0	0	0	0	0
3573	0	0	1	4	1	12	0	0	0	0
3575	0	0	17	186	10	163	0	0	0	0
3578	0	0	0	0	0	0	0	0	0	0
3582	0	0	2	77	0	0	0	0	0	0
3583	0	0	0	0	0	0	0	0	0	0
3584	0	0	11	463	9	832	0	0	3	215
3588	0	0	1	20	14	919	0	0	0	0
3589	0	0	1	105	1	44	0	0	0	0
3590	10	292	5	2293	40	448	2	25	0	0
3594	0	0	0	0	0	0	0	0	0	0
3595	0	0	0	0	2	164	0	0	0	0
3598	0	0	21	297	56	2127	0	0	0	0
FRM MO	10	365	296	4646	185	4920	4	42	3	215
FRM YTD	174	4377	4710	37976	1989	34126	139	1550	20	916
TOT MO	63	1334	889	9724	439	10379	66	122	8	577
TOT YTD	660	7940	11582	98458	7053	89052	963	3787	113	2532

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	BRAZIL		COLOMBIA		VENEZUELA		OTH. S. AM.		CHINA	
674:	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000
3020	2	23	0	0	0	0	0	0	1	197
3045	0	0	0	0	0	0	0	0	0	0
3204	0	0	0	0	0	0	0	0	0	0
3206	0	0	0	0	0	0	0	0	0	0
3209	0	0	1	240	0	0	0	0	0	0
3211	0	0	0	0	0	0	0	0	0	0
3216	0	0	0	0	0	0	0	0	0	0
3225	0	0	0	0	0	0	0	0	0	0
3245	1	322	0	0	0	0	0	0	0	0
3246	0	0	0	0	0	0	0	0	0	0
3247	0	0	0	0	0	0	0	0	0	0
3248	0	0	0	0	0	0	0	0	0	0
3249	0	0	0	0	0	0	0	0	0	0
3254	0	0	0	0	0	0	0	0	0	0
3255	0	0	0	0	0	0	0	0	0	0
3256	0	0	0	0	0	0	0	0	0	0
3257	0	0	0	0	0	0	0	0	0	0
3258	0	0	0	0	0	0	0	0	1	134
3264	0	0	0	0	0	0	0	0	3	206
3266	0	0	0	0	0	0	0	0	0	0
3267	0	0	0	0	0	0	0	0	0	0
3268	0	0	0	0	0	0	0	0	0	0
3269	0	0	0	0	0	0	0	0	0	0
3276	0	0	0	0	0	0	0	0	0	0
3277	0	0	0	0	0	0	0	0	0	0
3281	0	0	0	0	0	0	0	0	0	0
3283	0	0	0	0	0	0	1	16	0	0
3503	0	0	0	0	0	0	0	0	0	0
3505	0	0	0	0	0	0	0	0	0	0
3507	0	0	0	0	0	0	0	0	2	412
3509	0	0	0	0	0	0	0	0	0	0
3510	0	0	0	0	0	0	0	0	2	14
3511	0	0	0	0	0	0	0	0	0	0
3512	0	0	0	0	0	0	0	0	0	0
3515	0	0	0	0	0	0	0	0	0	0
3516	0	0	0	0	0	0	0	0	0	0
3518	0	0	0	0	0	0	0	0	1	57
3521	0	0	0	0	0	0	0	0	0	0
3523	0	0	0	0	0	0	0	0	0	0
3525	2	25	0	0	0	0	0	0	0	0
3528	0	0	0	0	1	135	0	0	0	0
3529	0	0	0	0	0	0	0	0	0	0
3531	1	420	0	0	0	0	0	0	0	0
3532	0	0	0	0	0	0	0	0	36	979
3533	0	0	0	0	0	0	0	0	0	0
3538	0	0	0	0	0	0	0	0	1	82
3541	2	528	0	0	0	0	0	0	0	0
3542	0	0	0	0	0	0	0	0	0	0
3544	0	0	0	0	0	0	0	0	0	0
3546	0	0	0	0	1	11	0	0	0	0
3547	0	0	0	0	0	0	0	0	0	0
3549	0	0	0	0	1	76	0	0	0	0
3551	0	0	0	0	0	0	0	0	0	0
3553	0	0	0	0	3	52	3	27	0	0
3559	0	0	0	0	0	0	0	0	0	0
3565	0	0	0	0	0	0	0	0	0	0
3566	0	0	0	0	0	0	0	0	0	0
3567	0	0	0	0	1	72	0	0	0	0
4000	0	0	5	16	18	92	1	24	8	67
5000	113	39	23	15	112	76	18	31	16	13
CUT MO	121	1357	29	271	137	513	23	99	71	2161
CUT YTD	336	15625	250	2396	1321	5674	346	2409	865	22092
1011	0	9	0	0	0	11	0	22	0	0
3568	0	0	0	0	0	0	0	0	0	0
3569	0	0	0	0	9	7	0	0	0	0
3571	0	0	0	0	0	0	0	0	0	0
3573	0	0	0	0	0	0	0	0	0	0
3575	0	0	1	11	0	0	0	0	0	0
3578	0	0	0	0	0	0	0	0	0	0
3582	1	397	0	0	0	0	0	0	0	0
3583	0	0	0	0	0	0	0	0	0	0
3584	4	48	0	0	0	0	0	0	0	0
3588	0	0	2	54	1	285	0	0	0	0
3589	0	0	0	0	0	0	1	21	0	0
3590	0	0	0	0	7	278	0	0	1	70
3594	1	156	0	0	0	0	0	0	0	0
3595	0	0	0	0	2	37	0	0	0	0
3598	67	1436	0	0	2	282	3	11	1	834
FRM MO	73	2046	3	66	21	899	4	53	2	904
FRM YTD	181	9295	49	870	228	7960	332	637	154	20431
TOT MO	194	3402	32	337	158	1413	27	152	73	3064
TOT YTD	517	24919	299	3265	1549	13634	678	3045	1019	42524

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	HONG KONG		INDIA		INDONESIA		ISRAEL		JAPAN	
674:	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000
3020	0	0	4	505	0	0	0	0	0	0
3045	0	0	0	0	0	0	0	0	1	227
3204	0	0	0	0	0	0	0	0	0	0
3206	0	0	0	0	0	0	0	0	0	0
3209	0	0	0	0	0	0	0	0	1	38
3211	0	0	0	0	0	0	0	0	0	0
3216	0	0	0	0	0	0	0	0	0	0
3225	0	0	0	0	0	0	0	0	0	0
3245	0	0	0	0	0	0	0	0	0	0
3246	0	0	0	0	0	0	0	0	0	0
3247	0	0	0	0	0	0	0	0	0	0
3248	0	0	0	0	0	0	0	0	0	0
3249	0	0	0	0	0	0	0	0	0	0
3254	0	0	0	0	0	0	0	0	0	0
3255	0	0	0	0	0	0	0	0	0	0
3256	0	0	0	0	0	0	0	0	0	0
3257	0	0	0	0	0	0	0	0	0	0
3258	0	0	0	0	0	0	0	0	1	12
3264	0	0	0	0	0	0	0	0	1	83
3266	0	0	0	0	0	0	0	0	0	0
3267	0	0	0	0	0	0	0	0	0	0
3268	0	0	0	0	0	0	0	0	0	0
3269	0	0	0	0	0	0	0	0	10	73
3276	0	0	0	0	0	0	0	0	0	0
3277	0	0	0	0	0	0	0	0	0	0
3281	0	0	0	0	0	0	0	0	0	0
3283	0	0	0	0	0	0	0	0	1	79
3503	0	0	0	0	0	0	0	0	1	119
3505	0	0	0	0	0	0	0	0	0	0
3507	0	0	0	0	0	0	0	0	0	0
3509	0	0	0	0	0	0	0	0	0	0
3510	0	0	0	0	0	0	0	0	0	0
3511	0	0	0	0	0	0	0	0	0	0
3512	0	0	0	0	0	0	0	0	1	61
3515	0	0	0	0	0	0	0	0	1	122
3516	0	0	0	0	0	0	0	0	1	48
3518	0	0	0	0	0	0	0	0	1	9
3521	0	0	0	0	0	0	0	0	0	0
3523	0	0	0	0	0	0	0	0	0	0
3525	0	0	0	0	0	0	0	0	0	0
3528	0	0	0	0	0	0	0	0	0	0
3529	0	0	0	0	0	0	0	0	0	0
3531	0	0	0	0	0	0	0	0	0	0
3532	0	0	2	15	0	0	0	0	2	18
3533	0	0	0	0	0	0	0	0	0	0
3538	0	0	0	0	0	0	0	0	2	154
3541	0	0	0	0	0	0	0	0	0	0
3542	0	0	0	0	0	0	0	0	0	0
3544	0	0	0	0	0	0	0	0	4	450
3546	0	0	0	0	0	0	0	0	0	0
3547	0	0	0	0	0	0	0	0	0	0
3549	5	27	0	0	0	0	0	0	1	551
3551	0	0	0	0	0	0	0	0	0	0
3553	0	0	0	0	0	0	0	0	5	100
3559	0	0	0	0	0	0	0	0	0	0
3565	0	0	0	0	0	0	0	0	2	30
3566	0	0	0	0	0	0	0	0	0	0
3567	0	0	0	0	0	0	0	0	0	0
4000	3	9	0	0	0	0	0	0	3	302
5000	1	60	2	3	0	0	10	17	247	196
CUT MO	9	96	8	523	0	0	10	17	286	2671
CUT YTD	780	2285	208	4506	45	1023	1797	1872	4623	29286
1011	0	9	0	17	0	0	0	0	0	4
3568	0	0	0	0	0	0	0	0	0	0
3569	0	0	0	0	2	3	0	0	0	0
3571	0	0	0	0	0	0	0	0	0	0
3573	0	0	0	0	0	0	0	0	0	0
3575	1	3	0	0	0	0	0	0	4	50
3578	0	0	0	0	0	0	0	0	0	0
3582	0	0	0	0	0	0	0	0	0	0
3583	0	0	0	0	0	0	0	0	0	0
3584	0	0	0	0	0	0	0	0	6	87
3588	0	0	1	252	0	0	0	0	2	54
3589	0	0	1	44	0	0	0	0	0	0
3590	0	0	0	0	0	0	1	10	6	976
3594	0	0	0	0	0	0	0	0	1	566
3595	1	6	0	0	1	135	0	0	0	0
3598	8	432	0	0	0	0	0	0	3	295
FRM MO	10	450	2	313	3	138	1	10	22	2032
FRM YTD	65	1848	18	1224	7	667	13	404	315	26075
TOT MO	19	546	10	836	3	138	11	28	308	4703
TOT YTD	845	4133	226	5730	52	1690	1810	2275	4938	55160

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TOTAL AND COUNTRIES OF DESTINATION BY TYPE OF MACHINE
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	KOREAN REP		PAKISTAN		S ARABIA		SINGAPORE		TAIWAN	
674	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000
3020	0	0	0	0	0	0	0	0	0	0
3045	3	1670	0	0	0	0	0	0	0	0
3204	0	0	0	0	0	0	0	0	0	0
3206	0	0	0	0	0	0	0	0	0	0
3209	0	0	0	0	0	0	0	0	0	0
3211	0	0	0	0	0	0	0	0	1	26
3216	0	0	0	0	0	0	0	0	0	0
3225	0	0	0	0	0	0	0	0	0	0
3245	0	0	0	0	0	0	0	0	0	0
3246	0	0	0	0	0	0	0	0	0	0
3247	0	0	0	0	0	0	0	0	1	168
3248	0	0	0	0	0	0	0	0	0	0
3249	0	0	0	0	0	0	0	0	0	0
3254	0	0	0	0	0	0	0	0	0	0
3255	0	0	0	0	0	0	0	0	0	0
3256	0	0	0	0	0	0	1	32	0	0
3257	0	0	0	0	0	0	0	0	0	0
3258	0	0	0	0	1	47	0	0	0	0
3264	0	0	0	0	0	0	0	0	0	0
3266	0	0	0	0	0	0	0	0	0	0
3267	0	0	0	0	0	0	0	0	0	0
3268	0	0	0	0	0	0	0	0	0	0
3269	0	0	0	0	0	0	0	0	0	0
3276	0	0	0	0	0	0	0	0	0	0
3277	0	0	0	0	0	0	0	0	0	0
3281	0	0	0	0	0	0	0	0	0	0
3283	0	0	0	0	0	0	0	0	0	0
3503	0	0	0	0	0	0	0	0	0	0
3505	0	0	0	0	0	0	0	0	1	75
3507	0	0	0	0	0	0	0	0	0	0
3509	4	415	0	0	0	0	0	0	0	0
3510	0	0	0	0	0	0	0	0	0	0
3511	0	0	0	0	0	0	0	0	0	0
3512	0	0	0	0	0	0	0	0	0	0
3515	0	0	0	0	0	0	0	0	0	0
3516	0	0	0	0	0	0	0	0	0	0
3518	4	30	0	0	0	0	3	31	1	15
3521	0	0	0	0	0	0	0	0	0	0
3523	0	0	0	0	0	0	0	0	0	0
3525	0	0	0	0	0	0	0	0	0	0
3528	1	490	0	0	0	0	0	0	0	0
3529	0	0	0	0	0	0	0	0	0	0
3531	0	0	0	0	0	0	0	0	5	134
3532	0	0	0	0	0	0	1	18	2	18
3533	0	0	0	0	0	0	1	12	1	23
3538	4	756	0	0	0	0	0	0	0	0
3541	1	540	0	0	0	0	0	0	0	0
3542	0	0	0	0	0	0	0	0	0	0
3544	1	167	0	0	0	0	0	0	1	159
3546	3	417	0	0	0	0	0	0	0	0
3547	0	0	0	0	0	0	0	0	0	0
3549	0	0	0	0	0	0	0	0	0	0
3551	0	0	0	0	0	0	0	0	0	0
3553	0	0	0	0	0	0	0	0	0	0
3559	0	0	0	0	0	0	0	0	0	0
3565	0	0	0	0	0	0	1	19	0	0
3566	0	0	0	0	0	0	0	0	0	0
3567	4	471	0	0	0	0	31	87	0	0
4000	22	62	0	0	0	0	3	12	4	11
5000	74	50	1	2	62	37	18	8	30	33
CUT MO	121	5067	1	2	63	84	59	217	47	661
CUT YTD	1252	44326	309	1109	410	604	900	5213	706	7486
1011	0	0	0	0	0	0	0	5	0	80
3568	0	0	0	0	5	232	2	44	0	0
3569	10	5	0	0	0	0	0	0	0	0
3571	0	0	0	0	0	0	0	0	0	0
3573	0	0	0	0	0	0	0	0	0	0
3575	1	8	0	0	0	0	0	0	1	12
3578	0	0	0	0	0	0	0	0	0	0
3582	0	0	0	0	0	0	0	0	0	0
3583	0	0	0	0	0	0	0	0	0	0
3584	0	0	0	0	0	0	0	0	0	0
3588	1	378	0	0	0	0	1	10	1	68
3589	0	0	0	0	0	0	0	0	0	0
3590	9	565	0	0	0	0	0	0	0	0
3594	0	0	0	0	0	0	0	0	0	0
3595	1	2028	0	0	0	0	0	0	1	27
3598	13	263	0	0	0	0	9	359	2	89
FRM MO	35	3247	0	0	5	232	12	418	5	276
FRM YTD	419	41538	5	50	58	305	177	4751	63	4520
TOT MO	156	8314	1	2	68	316	71	635	52	937
TOT YTD	1671	85865	314	1159	468	909	1077	9964	769	12006

U.S. EXPORTS OF MACHINE TOOLS
TOTAL AND COUNTRIES OF DESTINATION BY TYPE OF MACHINE
DECEMBER 1987

	TURKEY		OTHER ASIA		AUSTRALIA		NEW ZEALAND		OTH OCEANIA	
674:	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000
3020	0	0	0	0	0	0	0	0	0	0
3045	0	0	0	0	1	218	0	0	0	0
3204	0	0	0	0	0	0	0	0	0	0
3206	0	0	0	0	0	0	0	0	0	0
3209	0	0	0	0	0	0	0	0	0	0
3211	0	0	0	0	0	0	0	0	0	0
3216	0	0	0	0	0	0	0	0	0	0
3225	0	0	0	0	0	0	0	0	0	0
3245	0	0	0	0	0	0	0	0	0	0
3246	0	0	0	0	0	0	0	0	0	0
3247	0	0	0	0	0	0	0	0	0	0
3248	0	0	0	0	0	0	0	0	0	0
3249	7	71	0	0	0	0	0	0	0	0
3254	0	0	0	0	1	214	0	0	0	0
3255	0	0	0	0	0	0	0	0	0	0
3256	0	0	0	0	0	0	0	0	0	0
3257	0	0	0	0	0	0	0	0	0	0
3258	0	0	0	0	0	0	0	0	0	0
3264	0	0	0	0	0	0	0	0	0	0
3266	0	0	0	0	0	0	0	0	0	0
3267	0	0	0	0	0	0	0	0	0	0
3268	0	0	0	0	0	0	0	0	0	0
3269	0	0	0	0	0	0	0	0	1	25
3276	0	0	0	0	0	0	0	0	0	0
3277	0	0	0	0	0	0	0	0	0	0
3281	0	0	0	0	0	0	0	0	0	0
3283	0	0	0	0	0	0	0	0	0	0
3503	0	0	0	0	0	0	0	0	0	0
3505	0	0	0	0	0	0	0	0	0	0
3507	0	0	0	0	0	0	0	0	0	0
3509	0	0	0	0	0	0	0	0	0	0
3510	0	0	0	0	0	0	0	0	0	0
3511	0	0	0	0	0	0	0	0	0	0
3512	0	0	0	0	0	0	0	0	0	0
3515	0	0	0	0	1	6	0	0	0	0
3516	0	0	0	0	0	0	0	0	0	0
3518	0	0	0	0	1	7	0	0	0	0
3521	0	0	0	0	0	0	0	0	0	0
3523	0	0	0	0	0	0	0	0	0	0
3525	0	0	0	0	0	0	2	31	0	0
3528	0	0	0	0	0	0	0	0	0	0
3529	0	0	0	0	0	0	0	0	0	0
3531	0	0	2	11	1	50	0	0	0	0
3532	0	0	0	0	0	0	1	4	0	0
3533	0	0	0	0	0	0	0	0	0	0
3538	0	0	0	0	0	0	0	0	0	0
3541	0	0	0	0	0	0	0	0	0	0
3542	0	0	0	0	0	0	0	0	0	0
3544	2	20	0	0	0	0	0	0	0	0
3546	0	0	0	0	0	0	0	0	0	0
3547	0	0	0	0	0	0	0	0	0	0
3549	0	0	6	24	0	0	2	10	0	0
3551	4	175	0	0	0	0	0	0	0	0
3553	0	0	0	0	0	0	0	0	0	0
3559	0	0	0	0	0	0	0	0	0	0
3565	0	0	0	0	1	28	0	0	0	0
3566	0	0	0	0	0	0	0	0	0	0
3567	0	0	0	0	0	0	0	0	0	0
4000	0	0	0	0	0	0	0	0	0	0
5000	0	0	3	4	113	73	0	0	0	0
CUT MO	13	266	11	39	119	594	5	46	1	25
CUT YTD	291	7420	503	1804	1687	5890	59	200	5	51
1011	0	0	0	6	0	19	0	9	0	0
3568	0	0	3	100	0	0	0	0	0	0
3569	0	0	0	0	29	51	0	0	0	0
3571	0	0	0	0	0	0	0	0	0	0
3573	0	0	2	27	0	0	0	0	0	0
3575	0	0	8	216	6	81	0	0	0	0
3578	0	0	0	0	0	0	0	0	0	0
3582	0	0	0	0	0	0	0	0	0	0
3583	0	0	0	0	1	50	0	0	0	0
3584	1	704	0	0	2	41	1	22	0	0
3588	1	207	1	30	1	19	0	0	0	0
3589	0	0	0	0	0	0	0	0	0	0
3590	0	0	0	0	0	0	0	0	0	0
3594	0	0	0	0	0	0	0	0	0	0
3595	0	0	17	171	0	0	0	0	0	0
3598	0	0	3	39	5	160	0	0	0	0
FRM MO	2	910	34	589	44	421	1	30	0	0
FRM YTD	58	4754	190	3205	379	5498	19	694	2	20
TOT MO	15	1176	45	628	163	1015	6	76	1	25
TOT YTD	349	12174	693	5008	2066	11389	78	895	7	71

U.S. EXPORTS OF MACHINE TOOLS
TOTAL AND COUNTRIES OF DESTINATION BY TYPE OF MACHINE
DECEMBER 1987

	EGYPT		REP S. AFR		OTH AFRICA	
674	UNITS	$000	UNITS	$000	UNITS	$000
3020	0	0	0	0	0	0
3045	0	0	0	0	0	0
3204	0	0	0	0	0	0
3206	0	0	0	0	0	0
3209	0	0	0	0	0	0
3211	0	0	0	0	0	0
3216	0	0	0	0	0	0
3225	0	0	0	0	0	0
3245	0	0	0	0	0	0
3246	0	0	0	0	0	0
3247	0	0	0	0	0	0
3248	0	0	0	0	0	0
3249	0	0	0	0	0	0
3254	0	0	0	0	0	0
3255	0	0	0	0	0	0
3256	0	0	0	0	0	0
3257	0	0	0	0	0	0
3258	0	0	0	0	0	0
3264	0	0	0	0	0	0
3266	0	0	0	0	0	0
3267	0	0	0	0	0	0
3268	0	0	0	0	0	0
3269	0	0	0	0	0	0
3276	0	0	0	0	0	0
3277	0	0	0	0	0	0
3281	0	0	0	0	0	0
3283	0	0	0	0	0	0
3503	0	0	0	0	0	0
3505	0	0	0	0	0	0
3507	0	0	0	0	0	0
3509	0	0	0	0	0	0
3510	0	0	0	0	1	10
3511	0	0	0	0	0	0
3512	0	0	0	0	0	0
3515	0	0	0	0	0	0
3516	0	0	0	0	0	0
3518	0	0	0	0	0	0
3521	0	0	0	0	0	0
3523	0	0	0	0	0	0
3525	0	0	0	0	0	0
3528	0	0	0	0	0	0
3529	0	0	0	0	0	0
3531	0	0	0	0	0	0
3532	0	0	7	50	0	0
3533	0	0	0	0	0	0
3538	0	0	0	0	0	0
3541	0	0	0	0	0	0
3542	0	0	0	0	0	0
3544	0	0	0	0	0	0
3546	0	0	0	0	0	0
3547	0	0	0	0	0	0
3549	0	0	0	0	0	0
3551	0	0	0	0	0	0
3553	0	0	0	0	0	0
3559	0	0	0	0	0	0
3565	0	0	0	0	0	0
3566	0	0	0	0	0	0
3567	0	0	0	0	0	0
4000	0	0	0	0	0	0
5000	0	0	122	93	0	0
CUT MO	0	0	129	143	1	10
CUT YTD	14	272	487	1047	44	251
1011	0	0	0	0	0	0
3568	0	0	0	0	0	0
3569	0	0	0	0	0	0
3571	0	0	0	0	0	0
3573	0	0	0	0	1	3
3575	0	0	0	0	0	0
3578	0	0	0	0	0	0
3582	0	0	0	0	0	0
3583	0	0	0	0	0	0
3584	0	0	1	22	0	0
3588	0	0	0	0	0	0
3589	0	0	0	0	0	0
3590	0	0	1	5	0	0
3594	0	0	0	0	0	0
3595	0	0	0	0	0	0
3598	0	0	0	0	0	0
FRM MO	0	0	2	28	1	3
FRM YTD	83	586	69	1072	10	2979
TOT MO	0	0	131	171	2	12
TOT YTD	97	858	556	2119	54	3230

U.S. EXPORTS OF MACHINE TOOLS TOTAL AND COUNTRIES OF DESTINATION
THE FOLLOWING IS A BREAKDOWN OF THE ACTIVITY BY COUNTRY WHICH IS INCLUDED IN THE ALL OTHER COLUMNS
DECEMBER 1987

	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	$000	UNITS	$000	UNITS	$000
OTHER EUROPE						
AZORES	0	0	0	0	0	0
BULGARIA	5	924	0	73	5	997
CYPRUS	0	0	0	0	0	0
CZECHOSLOVAKIA	0	0	0	0	0	0
EAST GERMANY	0	0	0	0	0	0
FINLAND	1	4	0	0	1	4
GIBRALTAR	0	0	0	0	0	0
GREECE	0	0	0	0	0	0
HUNGARY	0	0	0	0	0	0
ICELAND	0	0	0	0	0	0
MALTA	0	0	0	0	0	0
NORWAY	47	41	0	0	47	41
PORTUGAL	0	0	10	292	10	292
ROMANIA	0	0	0	0	0	0
OTHER EUROPE	0	0	0	0	0	0
TOTAL	53	969	10	365	63	1334
OTHER NORTH AND CENTRAL AMERICA						
BAHAMAS	55	38	0	0	55	38
BARBADOS	0	0	0	0	0	0
BELIZE	0	0	0	0	0	0
BERMUDA	0	0	2	4	2	4
CAYMAN ISLANDS	0	0	0	0	0	0
COSTA RICA	3	14	0	0	3	14
DOMINICAN REP	2	4	0	7	2	11
FR. W. INDIES	0	0	0	0	0	0
GUATEMALA	0	0	1	14	1	14
HAITI	0	0	0	0	0	0
HONDURAS	0	0	0	0	0	0
JAMAICA	1	21	0	0	1	21
LW & WW IS	0	0	0	0	0	0
NICARAGUA	0	0	0	0	0	0
N. ANTILLES	0	0	0	0	0	0
PANAMA	0	0	0	0	0	0
SALVADOR	1	2	1	12	2	14
TRINIDAD	0	0	0	6	0	6
TURK ISLAND	0	0	0	0	0	0
OTHER N & C AM	0	0	0	0	0	0
TOTAL	62	79	4	42	66	122
OTHER SOUTH AMERICA						
BOLIVIA	12	20	0	0	12	20
CHILE	0	0	0	0	0	0
ECUADOR	8	51	1	21	9	72
FRENCH GUIANA	0	0	0	0	0	0
GUYANA	1	10	0	0	1	10
PARAGUAY	0	0	0	0	0	0
PERU	2	17	3	15	5	32
SURINAM	0	0	0	0	0	0
URAGUAY	0	0	0	18	0	18
OTHER S. AM	0	0	0	0	0	0
TOTAL	23	99	4	53	27	152
OTHER OCEANIA						
FR. PAC. IS.	0	0	0	0	0	0
NEW GUINEA	0	0	0	0	0	0
SAMOA	0	0	0	0	0	0
TERR. PAC. IS.	0	0	0	0	0	0
OTH. PAC. IS.	0	0	0	0	0	0
OTHER OCEANIA	1	25	0	0	1	25
TOTAL	1	25	0	0	1	25

U.S. EXPORTS OF MACHINE TOOLS TOTAL AND COUNTRIES OF DESTINATION
THE FOLLOWING IS A BREAKDOWN OF THE ACTIVITY BY COUNTRY WHICH IS INCLUDED IN THE ALL OTHER COLUMN
DECEMBER 1987

	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	$000	UNITS	$000	UNITS	$000
OTHER ASIA						
ADEN	0	0	0	0	0	0
AFGHANISTAN	0	0	0	0	0	0
ARAB EMIRATES	0	0	0	0	0	0
BAHRAIN	0	0	0	0	0	0
BANGALDESH	0	0	0	0	0	0
BRUNEI	0	0	0	0	0	0
BURMA	0	0	0	0	0	0
GAZA STRIP	0	0	0	0	0	0
IRAN	6	24	0	0	6	24
IRAQ	0	0	0	0	0	0
JORDAN	0	0	0	0	0	0
KUWAIT	0	0	1	15	1	15
LEBANON	0	0	0	0	0	0
MALAYSIA	0	0	14	373	14	373
NEPAL	0	0	0	0	0	0
OMAN	0	0	0	0	0	0
PHILIPPINES	0	0	2	30	2	30
QATAR	0	0	0	0	0	0
SRI LANKA	0	0	0	0	0	0
SYRIA	0	0	0	0	0	0
THAILAND	5	15	17	171	22	187
YEMEN	0	0	0	0	0	0
OTHER ASIA	0	0	0	0	0	0
TOTAL	11	39	34	589	45	628
OTHER AFRICA						
AFARS & ISSAS	0	0	0	0	0	0
ALGERIA	0	0	0	0	0	0
ANGOLA	0	0	0	0	0	0
BENIN	0	0	0	0	0	0
BOTSWANA	0	0	0	0	0	0
CAMEROON	0	0	0	0	0	0
CANARY ISLANDS	0	0	0	0	0	0
DAHOMENY	0	0	0	0	0	0
ETHIOPIA	0	0	0	0	0	0
GABON	0	0	0	0	0	0
GHANA	0	0	0	0	0	0
GUINEA	0	0	0	0	0	0
IVORY COAST	0	0	0	0	0	0
KENYA	0	0	0	0	0	0
LESOTHO	0	0	0	0	0	0
LIBERIA	0	0	0	0	0	0
LIBYA	0	0	0	0	0	0
MALAGASY REP	0	0	0	0	0	0
MALAWI	0	0	0	0	0	0
MAURITANIA	0	0	0	0	0	0
MAURITIUS	0	0	0	0	0	0
MOROCCO	0	0	0	0	0	0
MOZAMBIQUE	0	0	0	0	0	0
NIGER	0	0	0	0	0	0
NIGERIA	0	0	0	0	0	0
RWANDA	0	0	0	0	0	0
SENEGAL	0	0	0	0	0	0
SIERRA LEONE	0	0	0	0	0	0
SOMALIA	0	0	0	0	0	0
S. W. AFRICA	0	0	0	0	0	0
SUDAN	1	10	1	3	2	12
SWAZILAND	0	0	0	0	0	0
TANZANIA	0	0	0	0	0	0
TOGO	0	0	0	0	0	0
TUNISIA	0	0	0	0	0	0
UGANDA	0	0	0	0	0	0
ZAIRE	0	0	0	0	0	0
ZAMBIA	0	0	0	0	0	0
ZIMBABWE	0	0	0	0	0	0
OTH. WEST AFR.	0	0	0	0	0	0
OTHER AFRICA	0	0	0	0	0	0
TOTAL	1	10	1	3	2	12

SOURCE U.S. DEPARTMENT OF COMMERCE CENSUS REPORT NO. EM522; NATIONAL MACHINE TOOL BUILDERS' ASSOCIATION

NOTES 1)'0-' - DOLLAR AMOUNT LESS THAN $500 2)N.E.C. - NOT ELSEWHERE CLASSIFIED 3)INDIVIDUAL ITEMS MAY NOT ADD TO TOTALS DUE TO ROUNDING

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U.S. EXPORTS OF MACHINE TOOLS YEAR TO DATE SUMMARY
TOTAL AND COUNTRIES OF DESTINATION BY TYPE OF MACHINE
DECEMBER 1987

RELEASED: MARCH 25, 1988

		TOTAL UNITS	YTD $000
674	METAL CUTTING		
3020	Gear Hobbers & Shapers	59	7048
3045	Gear Cutting Machines, N.E.C.	113	30884
3204	Vertical Mach. Ctrs. AIC, NC, Y-Axis Travel 26" or Less	29	1734
3206	Vertical Mach. Ctrs. AIC, NC, Y-Axis Travel Over 26"	5	739
3209	Horizontal Machining Centers, AIC, NC	24	6286
3211	Machining Centers, NC, N.E.C.	144	11815
3216	Single Station and Multi-Station Transfer Machines	23	14550
3225	Way Type Machines (Unit Heads)	13	2245
3245	Horiz. Boring-Drilling-Milling Machines, Table Type, NC	11	2212
3246	Horiz. Boring-Drilling-Milling Machines, NC, N.E.C.	9	1224
3247	Vertical Boring-Drilling-Milling Machines, NC	12	1159
3248	Horiz. Boring-Drilling-Milling Machines, Non-NC	15	1508
3249	Vertical Boring-Drilling-Milling Machines, Non-NC	73	2228
3254	Drilling Machines, NC	28	3235
3255	Drilling Machines, Multi-Spindle, Non-NC	46	2489
3256	Drilling Machines, Radial, Non-NC	41	433
3257	Drilling Machines, Upright, Single Spindle, Non-NC	14	246
3258	Drilling Machines, Non-NC, N.E.C.	195	4096
3264	Milling Machines, NC	82	19073
3266	Milling Machines, Profiling, Dupl. & Die Sinking, Non-NC	19	641
3267	Milling Machines, Knee Type, Non-NC	3	92
3268	Milling Machines, Bed Type, Non-NC	2	112
3269	Milling Machines, Non-NC, N.E.C.	224	4826
3276	Vertical Boring Machines, Incl. VTLs, NC	5	1331
3277	Vertical Boring Machines, Incl. VTLs, Non-NC	140	9794
3281	Boring Machines, NC, N.E.C.	4	926
3283	Boring Machines, Non-NC, N.E.C.	77	5255
3503	Horizontal Lathes, Multi-Spindle, NC	17	2372
3505	Horizontal Lathes, Excl. Multi-Spindle, NC, Less Than 25 HP	103	8383
3507	Horizontal Lathes, Excl. Multi-Spindle, NC, 25-50 HP	26	3647
3509	Horizontal Lathes, Excl. Multi-Spindle, NC, Over 50 HP	15	2947
3510	Horizontal Engine & Toolroom Lathes, Non-NC	74	1157
3511	Automatic Chucking Lathes, Single Spindle, Non-NC	8	1063
3512	Automatic Chucking Lathes, Multi-Spindle, Non-NC	19	1996
3515	Automatic Bar Machines, Single-Spindle, Non-NC	44	1439
3516	Automatic Bar Machines, Multi-Spindle, Non-NC	49	1922
3518	Horizontal Lathes, Non-NC, N.E.C.	508	14973
3521	Vertical Lathes, Multi-Spindle, Excl. VTLs, NC	6	1342
3523	Vertical Lathes, Excl. Multi-Spindle & VTLs, NC	14	1401
3525	Vertical Lathes, Excl. VTLs, Non-NC	149	9149
3528	Grinding, Polishing, Honing & Lapping Machines, NC	188	31060
3529	Gear Tooth Grinding & Finishing Machines, Non-NC	26	3568
3531	Tool & Cutter Grinding Machines, Non-NC	238	7976
3532	Honing & Lapping Machines, Non-NC	388	6852
3533	Grinding Machines, Flat Surface Reciprocating Table, Non-NC	117	1975
3538	Grinding Machines, Flat Surface, Non-NC, N.E.C.	368	23366
3541	External Grinding Machines, Non-NC	41	4043
3542	Internal Grinding Machines, Non-NC	34	6310
3544	Grinding, Polishing & Buffing Machines, Non-NC, N.E.C.	188	10665
3546	Grinding Machines, Non-NC, N.E.C.	339	11480
3547	Traveling Wire Electrical Discharge Machines	17	258
3549	All Other Electrical Discharge Machines	139	3247
3551	Spark Erosion, Ultrasonic & Electrolytic Machines, NC	19	1065
3553	Spark Erosion, Ultrasonic & Electrolytic Machines, Non-NC	52	1845
3559	Metal Cutting Machine Tools, NC, N.E.C.	75	5047
3565	Sawing & Cut-Off Machines, Non-NC	467	6961
3566	Broaching Machines, Non-NC	13	383
3567	Metal Cutting Machine Tools, Non-NC, N.E.C.	200	10218
4000	Metal Cutting Machine Tools, Used Or Rebuilt*	5628	44557
5000	Metal Cutting Machine Tools, Less Than $2500**	28576	14664
	TOTAL CUTTING	39555	383545
674	METAL FORMING		
1011	Die Casting Machines & Parts	0	17651
3568	Metal Forming Machine Tools, Used Or Rebuilt	714	19121
3569	Metal Forming Machine Tools, Less Than $2500	7114	4217
3571	Punching & Shearing Machines, Incl. Combination, NC	71	8543
3573	Shearing Machines, Non-NC	85	3566
3575	Punching & Combination Punching & Shearing Machines, Non-NC	601	10398
3578	Bending, Folding, Straightening & Flattening Machines, NC	79	5019
3582	Press Brakes, Non-NC	38	1683
3583	Bending Rolls, Ram & Press Bending Machines, Non-NC	16	1085
3584	Bending, Folding, Str. & Flattening Machines, Non-NC, N.E.C.	726	25552
3588	Mechanical Presses	255	22889
3589	Hydraulic Presses, Vertical, Single Action	56	6733
3590	Hydraulic & Pneumatic Presses	759	41441
3594	Headers & Upsetters, Non-NC	90	15865
3595	Forging Machines, Non-NC, N.E.C.	190	8038
3598	Metal Forming Machine Tools, Non-NC, N.E.C.	1130	75039
	TOTAL FORMING	11924	266881
	TOTAL ALL TYPES	51479	650426

*CODE 6744000 SHOWN ABOVE REPRESENTS COMBINED DATA FROM CODES 674 3015, 3241, 3252, 3261, 3272, 3501, 3526, & 3554

**CODE 6745000 SHOWN ABOVE REPRESENTS COMBINED DATA FROM CODES 674 3243, 3253, 3262, 3273, 3502, 3527, & 3557

U.S. EXPORTS OF MACHINE TOOLS YEAR TO DATE SUMMARY
TOTAL AND COUNTRIES OF DESTINATION BY TYPE OF MACHINE
DECEMBER 1987

	AUSTRIA		BELGIUM		DENMARK		FRANCE		IRELAND	
674	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000
3020	0	0	0	0	0	0	0	0	2	54
3045	0	0	0	0	0	0	0	0	0	0
3204	0	0	4	348	0	0	2	252	0	0
3206	0	0	1	122	0	0	0	0	0	0
3209	0	0	0	0	0	0	5	604	0	0
3211	2	1145	0	0	0	0	0	0	0	0
3216	0	0	0	0	0	0	0	0	0	0
3225	0	0	0	0	0	0	0	0	0	0
3245	0	0	1	121	0	0	0	0	0	0
3246	0	0	0	0	0	0	0	0	0	0
3247	0	0	0	0	0	0	0	0	0	0
3248	0	0	0	0	0	0	0	0	0	0
3249	0	0	0	0	0	0	0	0	0	0
3254	0	0	0	0	0	0	0	0	0	0
3255	0	0	0	0	0	0	0	0	1	50
3256	0	0	0	0	0	0	4	39	1	5
3257	0	0	0	0	0	0	0	0	0	0
3258	0	0	0	0	0	0	8	54	0	0
3264	0	0	0	0	0	0	3	566	0	0
3266	1	62	0	0	0	0	0	0	0	0
3267	0	0	0	0	0	0	0	0	0	0
3268	0	0	0	0	0	0	0	0	0	0
3269	0	0	0	0	0	0	1	15	0	0
3276	0	0	0	0	0	0	0	0	0	0
3277	0	0	114	7456	0	0	0	0	0	0
3281	0	0	0	0	0	0	1	296	0	0
3283	0	0	1	170	0	0	1	12	0	0
3503	0	0	0	0	0	0	0	0	0	0
3505	0	0	23	1587	0	0	2	287	0	0
3507	0	0	0	0	0	0	0	0	0	0
3509	0	0	0	0	0	0	0	0	0	0
3510	0	0	0	0	0	0	0	0	0	0
3511	0	0	0	0	0	0	0	0	0	0
3512	0	0	0	0	0	0	0	0	4	166
3515	0	0	0	0	0	0	0	0	2	20
3516	0	0	0	0	0	0	0	0	0	0
3518	4	50	0	0	0	0	1	395	0	0
3521	0	0	0	0	0	0	0	0	0	0
3523	0	0	0	0	0	0	0	0	0	0
3525	0	0	0	0	0	0	7	380	0	0
3528	81	14626	0	0	5	514	0	0	0	0
3529	0	0	1	23	0	0	0	0	0	0
3531	0	0	3	20	0	0	3	173	0	0
3532	0	0	16	203	0	0	9	106	0	0
3533	0	0	0	0	0	0	0	0	0	0
3538	3	872	0	0	0	0	0	0	1	5
3541	0	0	0	0	0	0	1	28	0	0
3542	0	0	0	0	0	0	0	0	0	0
3[illegible]	0	0	0	0	0	0	0	0	4	309
3546	0	0	4	690	0	0	4	300	0	0
3547	0	0	0	0	0	0	0	0	0	0
3549	1	2	0	0	0	0	2	21	0	0
3551	0	0	0	0	0	0	0	0	0	0
3553	0	0	0	0	1	25	0	0	0	0
3559	1	68	0	0	0	0	0	0	1	30
3565	0	0	0	0	0	0	6	97	0	0
3566	0	0	0	0	0	0	0	0	0	0
3567	2	80	0	0	2	214	0	0	0	0
4000	0	0	8	233	1	20	42	2134	2	17
5000	14	9	528	519	10	6	140	69	22	13
CUT YTD	109	16913	704	11490	19	779	242	5828	40	668
1011	0	75	0	3	0	64	0	2722	0	0
3568	0	0	2	13	1	52	0	0	6	45
3569	12	10	220	56	6	6	254	85	1	2
3571	0	0	0	0	1	148	2	352	0	0
3573	2	7	0	0	0	0	0	0	1	12
3575	0	0	0	0	0	0	1	14	14	457
3578	0	0	0	0	0	0	1	25	2	32
3582	0	0	0	0	0	0	0	0	0	0
3583	0	0	0	0	0	0	0	0	0	0
3584	2	133	1	382	2	53	12	1087	6	100
3588	0	0	1	11	0	0	5	486	2	123
3589	0	0	0	0	0	0	0	0	0	0
3590	2	52	1	62	1	15	14	321	2	321
3594	0	0	0	0	0	0	1	93	0	0
3595	0	0	0	0	0	0	0	0	1	33
3598	0	0	13	579	0	0	23	1222	1	215
NUM YTD	18	276	238	1105	11	338	313	6407	36	1338
TOT YTD	127	17189	942	12595	30	1117	555	12235	76	2007

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TOTAL AND COUNTRIES OF DESTINATION BY TYPE OF MACHINE
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	ITALY		NETHERLANDS		POLAND		SPAIN		SWEDEN	
674:	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000
3020	4	1081	0	0	0	0	0	0	0	0
3045	6	2214	0	0	2	378	0	0	8	1231
3204	0	0	0	0	0	0	0	0	0	0
3206	0	0	0	0	0	0	0	0	0	0
3209	0	0	1	770	0	0	0	0	0	0
3211	1	239	0	0	0	0	1	236	0	0
3216	0	0	0	0	0	0	0	0	0	0
3225	0	0	0	0	0	0	0	0	0	0
3245	0	0	0	0	0	0	0	0	0	0
3246	0	0	0	0	0	0	0	0	0	0
3247	0	0	0	0	0	0	0	0	0	0
3248	0	0	0	0	0	0	0	0	0	0
3249	0	0	0	0	0	0	0	0	0	0
3254	3	168	0	0	0	0	0	0	0	0
3255	0	0	0	0	0	0	0	0	0	0
3256	0	0	0	0	17	79	0	0	0	0
3257	0	0	0	0	0	0	0	0	0	0
3258	0	0	0	0	0	0	3	103	2	304
3264	0	0	0	0	0	0	0	0	0	0
3266	0	0	0	0	0	0	0	0	0	0
3267	0	0	0	0	0	0	0	0	0	0
3268	0	0	0	0	0	0	0	0	0	0
3269	0	0	0	0	0	0	0	0	0	0
3276	0	0	0	0	0	0	0	0	0	0
3277	0	0	2	45	0	0	0	0	0	0
3281	0	0	0	0	0	0	0	0	0	0
3283	0	0	0	0	0	0	0	0	0	0
3503	0	0	0	0	0	0	0	0	0	0
3505	2	134	0	0	0	0	0	0	0	0
3507	0	0	0	0	0	0	0	0	0	0
3509	0	0	0	0	1	150	0	0	0	0
3510	0	0	0	0	0	0	0	0	0	0
3511	1	476	0	0	0	0	0	0	0	0
3512	2	141	0	0	0	0	0	0	0	0
3515	4	461	0	0	0	0	2	87	1	21
3516	0	0	0	0	0	0	1	81	0	0
3518	5	16	1	8	0	0	0	0	3	22
3521	0	0	0	0	0	0	0	0	0	0
3523	0	0	0	0	1	617	0	0	0	0
3525	6	1152	0	0	0	0	2	47	0	0
3528	4	863	0	0	0	0	0	0	2	679
3529	2	83	2	42	0	0	1	40	0	0
3531	4	138	0	0	7	1889	0	0	5	338
3532	28	331	17	185	0	0	8	138	5	67
3533	0	0	0	0	0	0	0	0	0	0
3538	4	387	1	120	2	522	0	0	5	329
3541	0	0	1	74	0	0	0	0	0	0
3542	0	0	0	0	0	0	0	0	0	0
3544	11	1236	4	112	0	0	3	189	0	0
3546	2	7	0	0	0	0	0	0	1	4
3547	0	0	0	0	0	0	0	0	0	0
3549	2	16	0	0	0	0	1	2	3	31
3551	0	0	0	0	0	0	0	0	0	0
3553	0	0	0	0	0	0	0	0	0	0
3559	0	0	2	38	0	0	0	0	0	0
3565	4	96	11	103	0	0	1	20	0	0
3566	4	100	0	0	0	0	0	0	0	0
3567	2	79	1	26	0	0	0	0	0	0
4000	183	821	7	199	0	0	7	74	1	60
5000	1048	283	351	119	2	2	298	51	159	82
CUI YTD	1332	10519	401	1839	32	3637	328	1068	195	3168
1011	0	417	0	209	0	0	0	107	0	737
3568	9	50	0	0	0	0	0	0	7	17
3569	48	21	94	18	0	0	0	0	32	14
3571	0	0	1	183	0	0	0	0	0	0
3573	0	0	2	13	0	0	0	0	0	0
3575	14	220	2	41	0	0	1	165	0	0
3578	0	0	0	0	0	0	0	0	0	0
3582	0	0	0	0	0	0	0	0	1	20
3583	0	0	0	0	0	0	0	0	0	0
3584	13	325	7	180	0	0	16	1081	20	313
3588	3	165	0	0	0	0	0	0	0	0
3589	0	0	0	0	0	0	0	0	0	0
3590	4	243	9	376	0	0	1	39	4	624
3594	5	1405	0	0	1	325	3	190	1	269
3595	1	59	3	55	0	0	0	0	0	0
3598	17	2542	18	1696	0	0	1	132	14	1288
FRM YTD	114	5445	136	2770	1	325	22	1713	79	3282
TOT YTD	1446	15965	537	4609	33	3962	350	2780	274	6449

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TOTAL AND COUNTRIES OF DESTINATION BY TYPE OF MACHINE
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	SWITZERLAND		U. KINGDOM		USSR		W. GERMANY		YUGOSLAVIA	
674:	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000
3020	0	0	1	70	0	0	4	320	0	0
3045	0	0	1	109	0	0	30	7615	3	1272
3204	0	0	2	273	0	0	0	0	0	0
3206	0	0	0	0	0	0	0	0	0	0
3209	0	0	1	713	0	0	1	50	0	0
3211	0	0	1	34	0	0	6	313	0	0
3216	0	0	0	0	0	0	1	215	0	0
3225	0	0	0	0	0	0	1	149	0	0
3245	0	0	2	133	0	0	0	0	0	0
3246	0	0	1	105	0	0	1	105	0	0
3247	0	0	2	132	0	0	0	0	0	0
3248	0	0	1	50	0	0	0	0	0	0
3249	0	0	6	136	0	0	0	0	0	0
3254	0	0	1	377	0	0	12	574	0	0
3255	0	0	0	0	0	0	0	0	0	0
3256	0	0	4	88	0	0	0	0	0	0
3257	0	0	0	0	0	0	0	0	0	0
3258	0	0	12	184	0	0	6	509	0	0
3264	0	0	0	0	0	0	6	275	0	0
3266	0	0	0	0	0	0	0	0	0	0
3267	0	0	0	0	0	0	0	0	0	0
3268	0	0	0	0	0	0	0	0	0	0
3269	2	67	7	179	0	0	0	0	0	0
3276	0	0	0	0	0	0	0	0	0	0
3277	0	0	1	13	0	0	0	0	0	0
3281	0	0	0	0	0	0	0	0	0	0
3283	0	0	6	272	0	0	3	55	0	0
3503	0	0	8	681	0	0	0	0	0	0
3505	0	0	19	1000	0	0	7	673	0	0
3507	0	0	1	70	0	0	0	0	0	0
3509	0	0	1	219	0	0	0	0	0	0
3510	0	0	2	10	0	0	3	115	0	0
3511	0	0	0	0	0	0	3	115	0	0
3512	0	0	0	0	0	0	4	160	0	0
3515	0	0	3	43	0	0	1	132	0	0
3516	0	0	3	55	0	0	6	153	0	0
3518	2	12	20	1081	0	0	6	415	0	0
3521	0	0	0	0	0	0	0	0	0	0
3523	0	0	0	0	0	0	0	0	0	0
3525	0	0	20	871	0	0	1	18	0	0
3528	10	1007	5	764	0	0	4	549	0	0
3529	0	0	0	0	0	0	4	681	0	0
3531	0	0	0	0	0	0	5	37	0	0
3532	33	377	11	125	0	0	91	1039	1	12
3533	0	0	0	0	0	0	1	12	0	0
3538	1	134	28	1316	0	0	4	585	0	0
3541	0	0	1	259	0	0	0	0	0	0
3542	0	0	7	1038	5	1875	4	945	0	0
3544	1	98	3	85	6	77	33	610	0	0
3546	0	0	11	459	0	0	17	587	2	15
3547	0	0	0	0	0	0	7	98	0	0
3549	0	0	4	106	0	0	0	0	0	0
3551	0	0	1	46	0	0	1	53	0	0
3553	1	21	1	7	0	0	0	0	0	0
3559	10	1573	2	442	1	188	0	0	0	0
3565	0	0	9	91	0	0	12	132	0	0
3566	0	0	0	0	0	0	0	0	0	0
3567	1	7	9	301	0	0	4	69	0	0
4000	27	396	143	1827	2	8	160	1310	1	75
5000	422	182	3134	1191	0	0	1101	879	0	0
CUT YTD	510	3874	3495	14950	14	2147	1550	19546	7	1374
1011	0	945	0	833	0	0	0	369	0	0
3568	0	0	25	274	0	0	32	375	0	0
3569	9	8	123	79	0	0	448	240	0	0
3571	3	351	13	1025	0	0	0	0	0	0
3573	0	0	1	262	0	0	2	69	0	0
3575	7	154	27	462	0	0	29	616	2	125
3578	0	0	1	17	0	0	6	315	0	0
3582	0	0	0	0	0	0	1	42	0	0
3583	0	0	0	0	0	0	1	27	0	0
3584	0	0	24	743	0	0	48	1894	2	45
3588	0	0	19	2429	0	0	0	0	0	0
3589	0	0	1	61	0	0	3	74	0	0
3590	0	0	32	1529	36	1042	16	1541	0	0
3594	2	241	0	0	0	0	32	5778	0	0
3595	0	0	13	698	0	0	6	120	0	0
3598	3	123	43	1560	0	0	18	1038	2	7
FRM YTD	24	1823	322	9972	36	1042	642	12498	6	177
TOT YTD	534	5697	3817	24922	50	3189	2192	32044	13	1551

U.S. EXPORTS OF MACHINE TOOLS YEAR TO DATE SUMMARY
TOTAL AND COUNTRIES OF DESTINATION BY TYPE OF MACHINE
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	OTH EUROPE		CANADA		MEXICO		OTH N & C		ARGENTINA	
674	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000
3020	0	0	8	806	2	176	0	0	0	0
3045	0	0	23	3878	6	552	0	0	0	0
3204	0	0	0	0	2	225	0	0	1	112
3206	0	0	3	455	1	163	0	0	0	0
3209	0	0	11	3280	1	82	0	0	0	0
3211	0	0	29	1865	11	738	1	70	1	77
3216	0	0	9	2057	9	6671	0	0	0	0
3225	0	0	5	701	6	1292	0	0	0	0
3245	0	0	3	452	0	0	0	0	0	0
3246	0	0	1	105	0	0	0	0	0	0
3247	0	0	5	657	0	0	0	0	0	0
3248	0	0	1	37	0	0	0	0	0	0
3249	0	0	29	453	6	920	0	0	0	0
3254	0	0	1	23	3	101	0	0	0	0
3255	0	0	20	990	9	655	1	36	0	0
3256	1	15	2	23	8	62	0	0	0	0
3257	0	0	6	199	7	34	1	14	0	0
3258	0	0	11	406	58	900	22	196	4	207
3264	0	0	25	3274	17	4478	0	0	0	0
3266	0	0	2	57	14	465	0	0	0	0
3267	0	0	3	92	0	0	0	0	0	0
3268	0	0	1	32	0	0	0	0	0	0
3269	1	34	9	319	49	1321	12	196	2	78
3276	0	0	2	303	0	0	0	0	0	0
3277	0	0	5	1152	11	207	0	0	0	0
3281	0	0	1	300	0	0	0	0	0	0
3283	0	0	4	178	35	2727	0	0	0	0
3503	0	0	2	301	4	740	0	0	0	0
3505	0	0	24	2333	2	149	0	0	5	388
3507	0	0	14	1314	1	328	0	0	0	0
3509	0	0	6	1226	1	271	0	0	0	0
3510	0	0	29	423	21	263	5	44	1	36
3511	0	0	2	300	2	171	0	0	0	0
3512	0	0	0	0	3	341	0	0	0	0
3515	0	0	8	58	13	232	0	0	0	0
3516	0	0	35	1190	2	339	0	0	0	0
3518	1	18	44	1210	279	5414	8	96	2	150
3521	0	0	2	533	0	0	0	0	0	0
3523	0	0	1	35	1	81	0	0	0	0
3525	1	24	28	2081	31	994	0	0	0	0
3528	0	0	17	2755	4	160	0	0	0	0
3529	0	0	5	621	1	8	0	0	0	0
3531	5	66	118	1287	36	1241	0	0	2	99
3532	5	57	28	1111	17	290	0	0	6	234
3533	0	0	36	513	5	122	0	0	0	0
3538	0	0	11	3397	49	1037	5	103	0	0
3541	0	0	17	1113	6	248	0	0	0	0
3542	0	0	3	425	3	78	0	0	0	0
3544	0	0	11	168	20	492	0	0	0	0
3546	0	0	68	1607	79	1878	12	320	0	0
3547	1	12	7	121	0	0	0	0	0	0
3549	1	3	35	205	16	589	15	141	0	0
3551	0	0	3	147	0	0	0	0	0	0
3553	0	0	1	20	12	165	1	16	1	11
3559	1	378	51	1576	3	100	0	0	0	0
3565	0	0	129	1480	190	2194	2	7	0	0
3566	0	0	0	0	3	86	0	0	1	103
3567	1	4	45	1584	43	2491	8	278	0	0
4000	37	2694	503	5053	2393	11773	223	467	6	105
5000	431	257	5370	4173	1569	884	508	253	61	17
CUT YTD	486	3562	6872	60481	5064	54926	824	2238	93	1616
1011	0	237	0	3469	0	2592	0	502	0	0
3568	1	68	64	586	279	3143	22	107	0	0
3569	96	19	3918	2204	667	825	69	65	7	8
3571	1	173	24	3431	1	112	0	0	0	0
3573	0	0	26	1021	3	20	1	3	3	390
3575	0	0	117	1649	102	1182	14	290	1	24
3578	12	1348	7	185	16	946	0	0	0	0
3582	0	0	22	578	4	124	0	0	0	0
3583	0	0	1	35	6	355	1	20	0	0
3584	49	1639	228	5876	117	3871	7	232	7	270
3588	0	0	22	963	91	3408	4	128	2	226
3589	0	0	9	1111	15	856	0	0	0	0
3590	13	811	37	8549	351	5759	10	121	0	0
3594	0	0	11	414	9	77	1	10	0	0
3595	0	0	83	896	28	751	8	63	0	0
3598	2	82	141	7009	300	10105	2	9	0	0
FRM YTD	174	4377	4710	37976	1989	34126	139	1550	20	916
TOT YTD	660	7940	11582	98458	7053	89052	963	3787	113	2532

U.S. EXPORTS OF MACHINE TOOLS YEAR TO DATE SUMMARY
TOTAL AND COUNTRIES OF DESTINATION BY TYPE OF MACHINE
DECEMBER 1987

	BRAZIL		COLOMBIA		VENEZUELA		OTH S AM		CHINA	
674.	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000
3020	3	305	0	0	0	0	4	295	1	197
3045	3	1256	0	0	3	540	0	0	12	4523
3204	15	383	0	0	0	0	1	32	0	0
3206	0	0	0	0	0	0	0	0	0	0
3209	0	0	2	340	0	0	0	0	0	0
3211	1	202	2	114	2	135	3	185	1	186
3216	1	230	0	0	0	0	0	0	1	3235
3225	0	0	0	0	0	0	0	0	0	0
3245	3	945	0	0	0	0	0	0	2	562
3246	0	0	0	0	0	0	0	0	0	0
3247	0	0	0	0	1	66	0	0	0	0
3248	0	0	0	0	3	85	0	0	10	1337
3249	10	211	6	252	0	0	0	0	0	0
3254	0	0	0	0	0	0	0	0	0	0
3255	1	30	0	0	6	200	0	0	0	0
3256	0	0	0	0	0	0	0	0	2	40
3257	0	0	0	0	0	0	0	0	0	0
3258	7	131	9	59	0	0	23	125	2	192
3264	6	4155	3	96	0	0	0	0	3	206
3266	1	21	0	0	0	0	0	0	0	0
3267	0	0	0	0	0	0	0	0	0	0
3268	1	80	0	0	0	0	0	0	0	0
3269	2	169	0	0	66	548	4	35	0	0
3276	0	0	0	0	0	0	0	0	0	0
3277	0	0	0	0	0	0	3	106	0	0
3281	0	0	0	0	0	0	0	0	1	245
3283	2	165	0	0	0	0	6	607	0	0
3503	0	0	0	0	0	0	0	0	1	389
3505	1	182	1	85	2	91	0	0	3	395
3507	0	0	0	0	0	0	0	0	6	1540
3509	0	0	0	0	0	0	0	0	0	0
3510	1	16	0	0	0	0	0	0	7	139
3511	0	0	0	0	0	0	0	0	0	0
3512	0	0	0	0	0	0	0	0	0	0
3515	0	0	0	0	0	0	0	0	0	0
3516	0	0	0	0	0	0	0	0	0	0
3518	0	0	13	105	9	91	2	88	13	314
3521	0	0	0	0	0	0	0	0	0	0
3523	0	0	1	40	7	317	0	0	2	251
3525	2	25	8	293	0	0	0	0	2	701
3528	7	1403	1	75	1	135	0	0	15	2052
3529	0	0	0	0	0	0	1	10	0	0
3531	3	587	0	0	0	0	0	0	1	200
3532	2	13	0	0	0	0	1	4	39	1089
3533	4	547	0	0	0	0	0	0	3	37
3538	12	1440	2	10	3	118	4	77	1	82
3541	2	528	0	0	0	0	0	0	0	0
3542	3	747	0	0	0	0	0	0	1	217
3544	7	681	0	0	0	0	2	29	7	1216
3546	3	172	0	0	1	11	8	151	2	247
3547	0	0	0	0	0	0	0	0	0	0
3549	1	33	0	0	1	76	0	0	1	30
3551	0	0	1	99	0	0	0	0	0	0
3553	0	0	1	85	5	72	3	27	0	0
3559	0	0	0	0	0	0	0	0	0	0
3565	0	0	0	0	1	19	0	0	9	306
3566	0	0	0	0	0	0	1	9	0	0
3567	1	31	0	0	2	84	1	44	1	214
4000	51	871	151	692	486	2735	68	413	236	1704
5000	180	67	49	49	722	351	211	172	480	249
CUT YTD	336	15625	250	2396	1321	5674	346	2409	865	22092
1011	0	64	0	13	0	160	0	120	0	12
3568	27	1349	5	58	97	2942	2	26	56	3343
3569	0	0	31	27	42	26	312	70	0	0
3571	0	0	0	0	1	174	0	0	1	37
3573	0	0	0	0	0	0	0	0	1	17
3575	18	488	1	11	8	102	0	0	1	15
3578	3	383	0	0	10	158	1	13	11	762
3582	1	397	1	49	0	0	0	0	1	143
3583	0	0	0	0	0	0	0	0	2	50
3584	41	1754	2	23	9	533	6	43	9	1055
3588	1	349	3	76	3	651	0	0	3	201
3589	1	448	1	42	0	0	2	52	2	1978
3590	7	159	1	194	29	1518	4	247	9	190
3594	6	1122	2	285	1	856	0	0	0	0
3595	2	221	0	0	2	37	0	0	0	0
3598	74	2560	2	93	26	804	5	66	58	12631
EXM YTD	181	9295	49	870	228	7960	332	637	154	20431
TOT YTD	517	24919	299	3265	1549	13634	678	3045	1019	42524

U.S. EXPORTS OF MACHINE TOOLS YEAR TO DATE SUMMARY
TOTAL AND COUNTRIES OF DESTINATION BY TYPE OF MACHINE
DECEMBER 1987

	HONG KONG		INDIA		INDONESIA		ISRAEL		JAPAN	
674	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000
3020	7	169	9	1741	0	0	0	0	9	677
3045	0	0	0	0	0	0	0	0	3	424
3204	1	67	0	0	0	0	0	0	0	0
3206	0	0	0	0	0	0	0	0	0	0
3209	0	0	0	0	0	0	0	0	1	38
3211	4	269	1	94	0	0	1	158	64	4913
3216	0	0	0	0	0	0	1	327	0	0
3225	0	0	0	0	0	0	0	0	0	0
3245	0	0	0	0	0	0	0	0	0	0
3246	0	0	1	330	0	0	0	0	0	0
3247	0	0	0	0	0	0	0	0	3	138
3248	0	0	0	0	0	0	0	0	0	0
3249	0	0	1	6	0	0	7	165	0	0
3254	0	0	0	0	0	0	0	0	0	0
3255	0	0	0	0	0	0	0	0	0	0
3256	0	0	0	0	1	50	0	0	0	0
3257	0	0	0	0	0	0	0	0	0	0
3258	1	45	0	0	0	0	0	0	2	20
3264	0	0	0	0	1	87	1	342	4	440
3266	0	0	0	0	0	0	0	0	0	0
3267	0	0	0	0	0	0	0	0	0	0
3268	0	0	0	0	0	0	0	0	0	0
3269	2	53	0	0	21	300	0	0	15	282
3276	0	0	0	0	0	0	0	0	0	0
3277	0	0	0	0	0	0	0	0	0	0
3281	0	0	0	0	1	85	0	0	0	0
3283	0	0	0	0	0	0	0	0	1	79
3503	0	0	0	0	0	0	0	0	2	211
3505	0	0	0	0	0	0	0	0	2	316
3507	0	0	0	0	0	0	0	0	3	235
3509	0	0	0	0	0	0	0	0	1	596
3510	0	0	0	0	0	0	1	24	2	55
3511	0	0	0	0	0	0	0	0	0	0
3512	0	0	4	938	0	0	1	190	1	61
3515	0	0	2	90	0	0	0	0	1	122
3516	0	0	0	0	0	0	0	0	2	104
3518	5	62	0	0	0	0	0	0	11	1031
3521	0	0	1	119	0	0	0	0	1	450
3523	0	0	0	0	0	0	0	0	0	0
3525	5	488	1	137	0	0	1	126	1	36
3528	0	0	0	0	0	0	0	0	24	3765
3529	0	0	1	25	0	0	0	0	7	1787
3531	1	3	1	126	0	0	0	0	6	156
3532	5	93	3	83	0	0	1	53	6	377
3533	11	65	0	0	0	0	0	0	5	162
3538	0	0	2	46	0	0	2	48	94	3475
3541	0	0	0	0	0	0	0	0	6	338
3542	0	0	1	286	1	177	0	0	4	320
3544	3	323	1	200	0	0	1	15	17	2155
3546	25	77	7	98	0	0	2	5	7	200
3547	0	0	2	27	0	0	0	0	0	0
3549	7	84	1	14	0	0	1	2	8	855
3551	0	0	0	0	0	0	0	0	1	66
3553	0	0	0	0	1	20	0	0	17	1232
3559	0	0	0	0	0	0	0	0	1	58
3565	4	78	1	20	3	292	3	44	34	1269
3566	0	0	0	0	0	0	4	85	0	0
3567	0	0	1	18	0	0	1	15	3	288
4000	10	154	1	12	1	3	0	0	56	984
5000	689	254	166	97	15	9	1769	274	4198	1073
CUT YTD	780	2285	208	4506	45	1023	1797	1872	4623	29286
1011	0	270	0	119	0	0	0	0	0	70
3568	2	148	4	59	0	0	0	0	1	107
3569	28	16	2	3	2	3	1	2	76	103
3571	1	179	0	0	0	0	0	0	6	582
3573	0	0	0	0	0	0	0	0	4	93
3575	9	123	5	75	0	0	2	80	21	881
3578	0	0	0	0	0	0	0	0	1	137
3582	0	0	0	0	0	0	0	0	0	0
3583	0	0	0	0	0	0	0	0	2	25
3584	4	84	1	37	0	0	1	4	30	660
3588	4	174	1	252	1	437	1	80	16	4214
3589	0	0	1	44	0	0	0	0	11	235
3590	2	253	2	93	0	0	5	112	85	6645
3594	0	0	1	530	0	0	1	33	9	3840
3595	1	6	0	0	1	135	0	0	2	380
3598	14	595	1	13	3	93	2	95	51	8105
FRM YTD	65	1848	18	1224	7	667	13	404	315	26075
TOT YTD	845	4133	226	5730	52	1690	1810	2275	4938	55360

U.S. EXPORTS OF MACHINE TOOLS YEAR TO DATE SUMMARY
TOTAL AND COUNTRIES OF DESTINATION BY TYPE OF MACHINE
DECEMBER 1987

	KOREAN REP		PAKISTAN		S ARABIA		SINGAPORE		TAIWAN	
674	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000
3020	5	1158	0	0	0	0	0	0	0	0
3045	12	6176	0	0	0	0	0	0	0	0
3204	0	0	0	0	0	0	0	0	0	0
3206	0	0	0	0	0	0	0	0	0	0
3209	0	0	0	0	0	0	0	0	0	0
3211	3	393	0	0	0	0	0	0	3	140
3216	1	1815	0	0	0	0	0	0	0	0
3225	1	104	0	0	0	0	0	0	0	0
3245	0	0	0	0	0	0	0	0	0	0
3246	5	580	0	0	0	0	0	0	0	0
3247	0	0	0	0	0	0	0	0	1	168
3248	0	0	0	0	0	0	0	0	0	0
3249	0	0	0	0	0	0	0	0	0	0
3254	0	0	0	0	0	0	2	59	3	360
3255	8	527	0	0	0	0	0	0	0	0
3256	0	0	0	0	0	0	1	32	0	0
3257	0	0	0	0	0	0	0	0	0	0
3258	3	147	0	0	8	84	2	43	3	8
3264	4	1253	0	0	0	0	4	333	4	1715
3266	0	0	0	0	0	0	0	0	1	37
3267	0	0	0	0	0	0	0	0	0	0
3268	0	0	0	0	0	0	0	0	0	0
3269	22	822	0	0	0	0	3	229	2	37
3276	2	656	0	0	0	0	0	0	0	0
3277	2	710	0	0	0	0	0	0	1	86
3281	0	0	0	0	0	0	0	0	0	0
3283	12	680	0	0	0	0	0	0	1	185
3503	0	0	0	0	0	0	0	0	0	0
3505	0	0	0	0	0	0	0	0	7	537
3507	0	0	0	0	0	0	0	0	[illegible]	0
3509	4	415	0	0	0	0	0	0	[illegible]	0
3510	0	0	0	0	0	0	0	0	1	21
3511	0	0	0	0	0	0	0	0	0	0
3512	0	0	0	0	0	0	0	0	0	0
3515	1	33	0	0	0	0	0	0	3	105
3516	0	0	0	0	0	0	0	0	0	0
3518	60	3937	0	0	4	42	10	234	2	171
3521	0	0	0	0	0	0	0	0	0	0
3523	0	0	0	0	0	0	0	0	0	0
3525	10	806	0	0	0	0	11	355	1	53
3528	5	1394	0	0	0	0	0	0	3	319
3529	0	0	0	0	0	0	1	250	0	0
3531	14	470	0	0	1	10	1	38	11	482
3532	13	390	0	0	1	8	6	79	9	92
3533	1	82	0	0	0	0	2	102	49	335
3538	105	7077	0	0	0	0	7	538	7	482
3541	3	1270	0	0	0	0	2	91	0	0
3542	0	0	0	0	0	0	0	0	0	0
3544	15	2171	0	0	0	0	29	133	8	347
3546	55	3799	0	0	0	0	5	84	1	193
3547	0	0	0	0	0	0	0	0	0	0
3549	10	241	0	0	0	0	5	125	2	299
3551	0	0	0	0	0	0	0	0	0	0
3553	2	101	0	0	4	37	0	0	0	0
3559	0	0	0	0	0	0	0	0	0	0
3565	3	50	5	87	1	5	6	65	5	128
3566	0	0	0	0	0	0	0	0	0	0
3567	26	3684	0	0	0	0	31	87	9	451
4000	153	2990	271	980	8	123	64	1929	23	494
5000	692	396	33	43	383	296	708	409	546	243
CUT YTD	1252	44326	309	1109	410	604	900	5213	706	7486
1011	0	415	0	0	0	15	0	223	0	2160
3568	25	5287	0	0	6	274	18	405	0	0
3569	42	23	0	0	52	16	101	33	2	4
3571	0	0	0	0	0	0	2	505	0	0
3573	10	673	0	0	0	0	2	450	0	0
3575	23	678	0	0	0	0	10	138	10	362
3578	3	355	0	0	0	0	1	124	0	0
3582	1	124	0	0	0	0	0	0	3	33
3583	0	0	0	0	0	0	0	0	0	0
3584	6	241	0	0	0	0	6	548	20	280
3588	16	4136	5	50	0	0	19	1248	15	1123
3589	8	1759	0	0	0	0	0	0	0	0
3590	44	7732	0	0	0	0	5	87	4	224
3594	1	257	0	0	0	0	0	0	2	113
3595	17	3946	0	0	0	0	0	0	1	27
3598	223	15912	0	0	0	0	13	989	6	196
FRM YTD	419	41538	5	50	58	305	177	4751	63	4520
TOT YTD	1671	85865	314	1159	468	909	1077	9964	769	12006

U S. EXPORTS OF MACHINE TOOLS YEAR TO DATE SUMMARY
TOTAL AND COUNTRIES OF DESTINATION BY TYPE OF MACHINE
DECEMBER 1987

	TURKEY		OTHER ASIA		AUSTRALIA		NEW ZEALAND		OTH OCEANIA	
674	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000
3020	0	0	0	0	0	0	0	0	0	0
3045	0	0	0	0	1	218	0	0	0	0
3204	0	0	0	0	1	42	0	0	0	0
3206	0	0	0	0	0	0	0	0	0	0
3209	1	409	0	0	0	0	0	0	0	0
3211	3	249	0	0	3	60	0	0	0	0
3216	0	0	0	0	0	0	0	0	0	0
3225	0	0	0	0	0	0	0	0	0	0
3245	0	0	0	0	0	0	0	0	0	0
3246	0	0	0	0	0	0	0	0	0	0
3247	0	0	0	0	0	0	0	0	0	0
3248	0	0	0	0	0	0	0	0	0	0
3249	7	71	0	0	0	0	1	14	0	0
3254	1	163	0	0	2	1411	0	0	0	0
3255	0	0	0	0	0	0	0	0	0	0
3256	0	0	0	0	0	0	0	0	0	0
3257	0	0	0	0	0	0	0	0	0	0
3258	2	96	1	31	3	98	0	0	0	0
3264	1	1853	0	0	0	0	0	0	0	0
3266	0	0	0	0	0	0	0	0	0	0
3267	0	0	0	0	0	0	0	0	0	0
3268	0	0	0	0	0	0	0	0	0	0
3269	0	0	1	43	1	56	0	0	1	25
3276	1	371	0	0	0	0	0	0	0	0
3277	0	0	0	0	0	0	0	0	0	0
3281	0	0	0	0	0	0	0	0	0	0
3283	0	0	0	0	4	102	0	0	0	0
3503	0	0	0	0	0	0	0	0	0	0
3505	0	0	0	0	1	89	0	0	0	0
3507	0	0	0	0	0	0	0	0	0	0
3509	0	0	0	0	0	0	0	0	0	0
3510	0	0	0	0	0	0	0	0	0	0
3511	0	0	0	0	0	0	0	0	0	0
3512	0	0	0	0	0	0	0	0	0	0
3515	0	0	0	0	3	36	0	0	0	0
3516	0	0	0	0	0	0	0	0	0	0
3518	0	0	0	0	1	7	0	0	0	0
3521	0	0	1	154	1	86	0	0	0	0
3523	1	62	0	0	0	0	0	0	0	0
3525	0	0	0	0	8	518	3	44	0	0
3528	0	0	0	0	0	0	0	0	0	0
3529	0	0	0	0	0	0	0	0	0	0
3531	1	310	3	49	7	259	0	0	0	0
3532	0	0	1	14	4	42	1	4	0	0
3533	0	0	0	0	0	0	0	0	0	0
3538	3	572	1	198	9	334	1	15	0	0
3541	0	0	1	85	0	0	0	0	0	0
3542	0	0	0	0	2	202	0	0	0	0
3544	2	20	0	0	0	0	0	0	0	0
3546	1	37	6	408	5	34	9	73	0	0
3547	0	0	0	0	0	0	0	0	0	0
3549	1	74	7	80	12	209	2	10	0	0
3551	12	654	0	0	0	0	0	0	0	0
3553	0	0	0	0	0	0	0	0	0	0
3559	0	0	0	0	2	598	0	0	0	0
3565	18	263	3	17	6	82	0	0	0	0
3566	0	0	0	0	0	0	0	0	0	0
3567	0	0	4	133	2	36	0	0	0	0
4000	200	2191	26	154	48	534	5	15	1	20
5000	36	27	448	438	1561	838	37	25	3	6
CUT YTD	291	7420	503	1804	1687	5890	59	200	5	51
1011	0	0	0	97	0	445	0	97	0	0
3568	2	4	4	105	5	222	1	8	0	0
3569	17	9	88	52	286	145	0	0	0	0
3571	0	0	6	437	6	703	1	100	0	0
3573	21	190	2	27	3	319	0	0	0	0
3575	4	237	34	994	33	372	11	88	0	0
3578	1	102	1	34	1	48	0	0	0	0
3582	3	173	0	0	0	0	0	0	0	0
3583	0	0	0	0	1	50	0	0	0	0
3584	3	768	11	334	8	251	1	22	2	20
3588	4	1554	11	205	2	37	0	0	0	0
3589	0	0	0	0	1	46	1	28	0	0
3590	0	0	12	382	13	2138	0	0	0	0
3594	0	0	0	0	1	29	0	0	0	0
3595	0	0	17	171	3	145	0	0	0	0
3598	3	1717	4	366	16	550	4	352	0	0
FRM YTD	58	4754	190	3205	379	5498	19	694	2	20
TOT YTD	349	12174	693	5008	2066	11389	78	895	7	71

U.S. EXPORTS OF MACHINE TOOLS YEAR TO DATE SUMMARY
TOTAL AND COUNTRIES OF DESTINATION BY TYPE OF MACHINE
DECEMBER 1987

	EGYPT		REP S AFR		OTH AFRICA	
674	UNITS	$000	UNITS	$000	UNITS	$000
3020	0	0	0	0	0	0
3045	0	0	0	0	0	0
3204	0	0	0	0	0	0
3206	0	0	0	0	0	0
3209	0	0	0	0	0	0
3211	0	0	0	0	0	0
3216	0	0	0	0	0	0
3225	0	0	0	0	0	0
3245	0	0	0	0	0	0
3246	0	0	0	0	0	0
3247	0	0	0	0	0	0
3248	0	0	0	0	0	0
3249	0	0	0	0	0	0
3254	0	0	0	0	0	0
3255	0	0	0	0	0	0
3256	0	0	0	0	0	0
3257	0	0	0	0	0	0
3258	3	156	0	0	0	0
3264	0	0	0	0	0	0
3266	0	0	0	0	0	0
3267	0	0	0	0	0	0
3268	0	0	0	0	0	0
3269	0	0	0	0	1	18
3276	0	0	0	0	0	0
3277	0	0	0	0	1	20
3281	0	0	0	0	0	0
3283	0	0	0	0	1	25
3503	0	0	0	0	0	0
3505	0	0	2	137	0	0
3507	0	0	1	131	0	0
3509	0	0	0	0	1	70
3510	0	0	0	0	1	10
3511	0	0	0	0	0	0
3512	0	0	0	0	0	0
3515	0	0	0	0	0	0
3516	0	0	0	0	0	0
3518	2	5	0	0	0	0
3521	0	0	0	0	0	0
3523	0	0	0	0	0	0
3525	0	0	0	0	0	0
3528	0	0	0	0	0	0
3529	0	0	0	0	0	0
3531	0	0	0	0	0	0
3532	0	0	21	236	0	0
3533	0	0	0	0	0	0
3538	1	50	0	0	0	0
3541	1	12	0	0	0	0
3542	0	0	0	0	0	0
3544	0	0	0	0	0	0
3546	1	19	1	4	0	0
3547	0	0	0	0	0	0
3549	0	0	0	0	0	0
3551	0	0	0	0	0	0
3553	0	0	0	0	1	5
3559	0	0	0	0	0	0
3565	0	0	0	0	1	16
3566	0	0	0	0	0	0
3567	0	0	0	0	0	0
4000	3	26	17	210	3	60
5000	3	4	445	329	34	28
CUT YTD	14	272	487	1047	44	251
1011	0	27	0	65	0	0
3568	0	0	10	50	1	5
3569	0	0	28	26	0	0
3571	0	0	0	0	1	50
3573	0	0	0	0	1	3
3575	80	358	0	0	0	0
3578	0	0	0	0	1	34
3582	0	0	0	0	0	0
3583	1	28	1	495	0	0
3584	1	10	1	22	3	642
3588	1	164	0	0	0	0
3589	0	0	0	0	0	0
3590	0	0	3	25	1	40
3594	0	0	0	0	0	0
3595	0	0	0	0	1	294
3598	0	0	26	388	1	1911
FRM YTD	83	586	69	1072	10	2979
TOT YTD	97	858	556	2119	54	3230

U.S. EXPORTS OF MACHINE TOOLS YEAR TO DATE SUMMARY TOTAL AND COUNTRIES OF DESTINATION
THE FOLLOWING IS A BREAKDOWN OF THE ACTIVITY BY COUNTRY WHICH IS INCLUDED IN THE
ALL OTHER COLUMNS
DECEMBER 1987

	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	$000	UNITS	$000	UNITS	$000
OTHER EUROPE						
AZORES	0	0	0	0	0	0
BULGARIA	7	1261	21	1983	28	3244
CYPRUS	2	49	0	0	2	49
CZECHOSLOVAKIA	0	0	2	98	2	98
EAST GERMANY	0	0	0	0	0	0
FINLAND	21	529	30	422	51	951
GIBRALTAR	0	0	0	0	0	0
GREECE	2	7	68	84	70	91
HUNGARY	19	1069	0	0	19	1069
ICELAND	22	15	0	3	22	18
MALTA	1	24	0	0	1	24
NORWAY	374	336	28	932	402	1269
PORTUGAL	5	197	25	856	30	1053
ROMANIA	33	75	0	0	33	75
OTHER EUROPE	0	0	0	0	0	0
TOTAL	486	3562	174	4377	660	7940
OTHER NORTH AND CENTRAL AMERICA						
BAHAMAS	59	41	3	23	62	63
BARBADOS	2	5	0	0	2	5
BELIZE	285	44	0	0	285	44
BERMUDA	4	75	4	26	8	102
CAYMAN ISLANDS	0	0	0	0	0	0
COSTA RICA	80	530	40	107	120	637
DOMINICAN REP	97	114	32	153	129	267
FR W INDIES	0	0	0	0	0	0
GUATEMALA	83	216	11	277	94	492
HAITI	1	14	18	54	19	68
HONDURAS	42	296	9	165	51	461
JAMAICA	32	93	7	47	39	140
LW & WW IS	3	21	0	0	3	21
NICARAGUA	0	0	0	0	0	0
N ANTILLES	5	146	0	0	5	146
PANAMA	33	488	8	416	41	905
SALVADOR	67	90	2	217	69	307
TRINIDAD	30	58	5	65	35	123
TURK ISLAND	1	7	0	0	1	7
OTHER N & C AM.	0	0	0	0	0	0
TOTAL	824	2238	139	1550	963	3787
OTHER SOUTH AMERICA						
BOLIVIA	19	36	0	0	19	36
CHILE	150	765	12	363	162	1128
ECUADOR	114	716	300	161	414	877
FRENCH GUIANA	0	0	0	0	0	0
GUYANA	1	10	0	0	1	10
PARAGUAY	10	127	0	0	10	127
PERU	47	713	18	68	65	781
SURINAM	1	7	0	0	1	7
URAGUAY	4	36	2	44	6	80
OTHER S AM	0	0	0	0	0	0
TOTAL	346	2409	332	637	678	3045
OTHER OCEANIA						
FR PAC IS	0	0	2	20	2	20
NEW GUINEA	3	6	0	0	3	6
SAMOA	0	0	0	0	0	0
TERR PAC IS	0	0	0	0	0	0
OTH PAC IS	1	20	0	0	1	20
OTHER OCEANIA	1	25	0	0	1	25
TOTAL	5	51	2	20	7	71

U.S. EXPORTS OF MACHINE TOOLS YEAR TO DATE SUMMARY TOTAL AND COUNTRIES OF DESTINATION
THE FOLLOWING IS A BREAKDOWN OF THE ACTIVITY BY COUNTRY WHICH IS INCLUDED IN THE
ALL OTHER COLUMNS
DECEMBER 1987

	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	$000	UNITS	$000	UNITS	$000
OTHER ASIA						
ADEN	0	0	0	0	0	0
AFGHANISTAN	0	0	0	0	0	0
ARAB EMIRATES	46	31	1	34	47	65
BAHRAIN	0	0	1	10	1	10
BANGALDESH	11	12	0	0	11	12
BRUNEI	0	0	0	0	0	0
BURMA	0	0	0	0	0	0
GAZA STRIP	0	0	0	0	0	0
IRAN	6	24	0	0	6	24
IRAQ	3	6	0	0	3	6
JORDAN	88	28	0	0	88	28
KUWAIT	36	236	5	42	41	278
LEBANON	0	0	0	0	0	0
MALAYSIA	26	443	85	1516	111	1958
NEPAL	0	0	0	0	0	0
OMAN	18	13	0	0	19	13
PHILIPPINES	135	665	51	168	186	833
QATAR	0	0	0	0	0	0
SRI LANKA	0	0	0	0	0	0
SYRIA	0	0	0	0	0	0
THAILAND	134	348	47	1434	181	1781
YEMEN	0	0	0	0	0	0
OTHER ASIA	0	0	0	0	0	0
TOTAL	503	1804	190	3205	693	5008
OTHER AFRICA						
AFARS & ISSAS	0	0	0	0	0	0
ALGERIA	0	0	0	0	0	0
ANGOLA	2	75	2	2205	4	2280
BENIN	0	0	0	0	0	0
BOTSWANA	0	0	0	0	0	0
CAMEROON	0	0	0	0	0	0
CANARY ISLANDS	0	0	0	0	0	0
DAHOMENY	0	0	0	0	0	0
ETHIOPIA	0	0	2	242	2	242
GABON	0	0	0	0	0	0
GHANA	0	0	0	0	0	0
GUINEA	0	0	0	0	0	0
IVORY COAST	2	18	0	0	2	18
KENYA	1	25	0	0	1	25
LESOTHO	0	0	0	0	0	0
LIBERIA	0	0	0	0	0	0
LIBYA	0	0	0	0	0	0
MALAGASY REP	0	0	0	0	0	0
MALAWI	0	0	0	0	0	0
MAURITANIA	0	0	0	0	0	0
MAURITIUS	1	2	0	0	1	2
MOROCCO	0	0	2	450	2	450
MOZAMBIQUE	0	0	0	0	0	0
NIGER	0	0	0	0	0	0
NIGERIA	19	80	1	5	20	85
RWANDA	0	0	0	0	0	0
SENEGAL	0	0	0	0	0	0
SIERRA LEONE	0	0	0	0	0	0
SOMALIA	0	0	0	0	0	0
S W AFRICA	6	10	0	0	6	10
SUDAN	1	10	1	3	2	12
SWAZILAND	0	0	0	0	0	0
TANZANIA	0	0	1	40	1	40
TOGO	0	0	0	0	0	0
TUNISIA	0	0	1	34	1	34
UGANDA	0	0	0	0	0	0
ZAIRE	0	0	0	0	0	0
ZAMBIA	1	20	0	0	1	20
ZIMBABWE	11	11	0	0	11	11
OTH WEST AFR	0	0	0	0	0	0
OTHER AFRICA	0	0	0	0	0	0
TOTAL	44	251	10	2979	54	3230

SOURCE U.S. DEPARTMENT OF COMMERCE (ENG'S REPORT NO. EM522, NATIONAL MACHINE TOOL BUILDERS' ASSOCIATION

NOTES 1)"0-" = DOLLAR AMOUNT LESS THAN $500 2)N.E.C. = NOT ELSEWHERE CLASSIFIED 3)INDIVIDUAL ITEMS MAY NOT ADD TO TOTALS DUE TO ROUNDING

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REPORT

NMTBA
The Association For Manufacturing Technology

Direct Dial: (703)827-5260

STATISTICAL

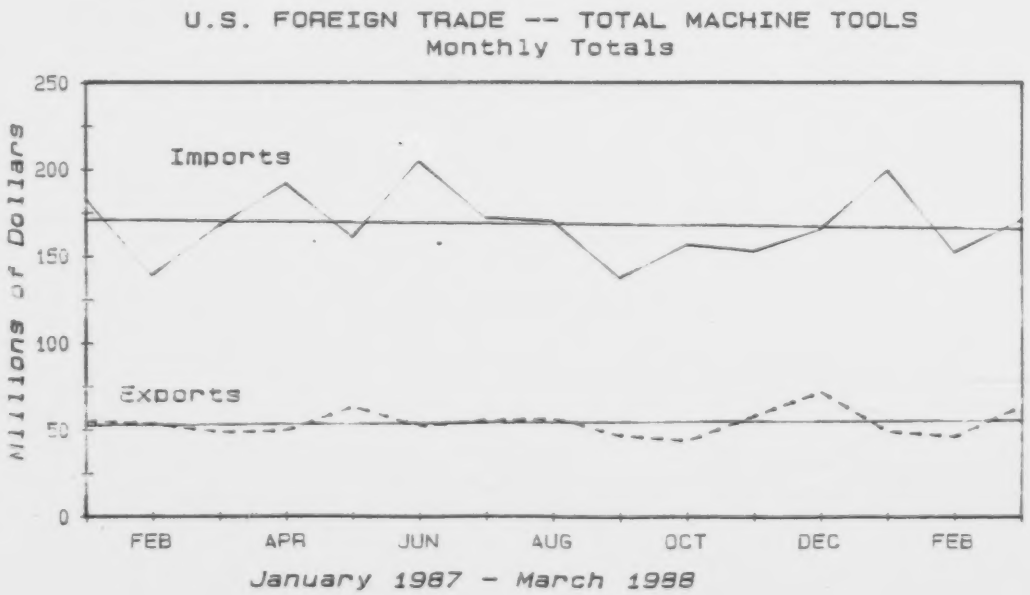
No. 95-88 July 22, 1988

U.S. FOREIGN TRADE IN MACHINE TOOLS FIRST QUARTER 1988

U.S. exports of machine tools increased 2% from their first quarter 1987 level of $155.9 million rising, to $158.8 million for the first quarter of 1988. Exports were, however, 8% below their fourth quarter of 1987 total. U.S. imports, at $521.4 million, were up 7% from their first quarter 1987 level and 10% above imports in the previous quarter. These changes combined to produce a trade deficit of $362.6 million for the first quarter of 1988. This is 9% above the deficit for the first quarter of 1987 and 21% above that of the previous quarter.

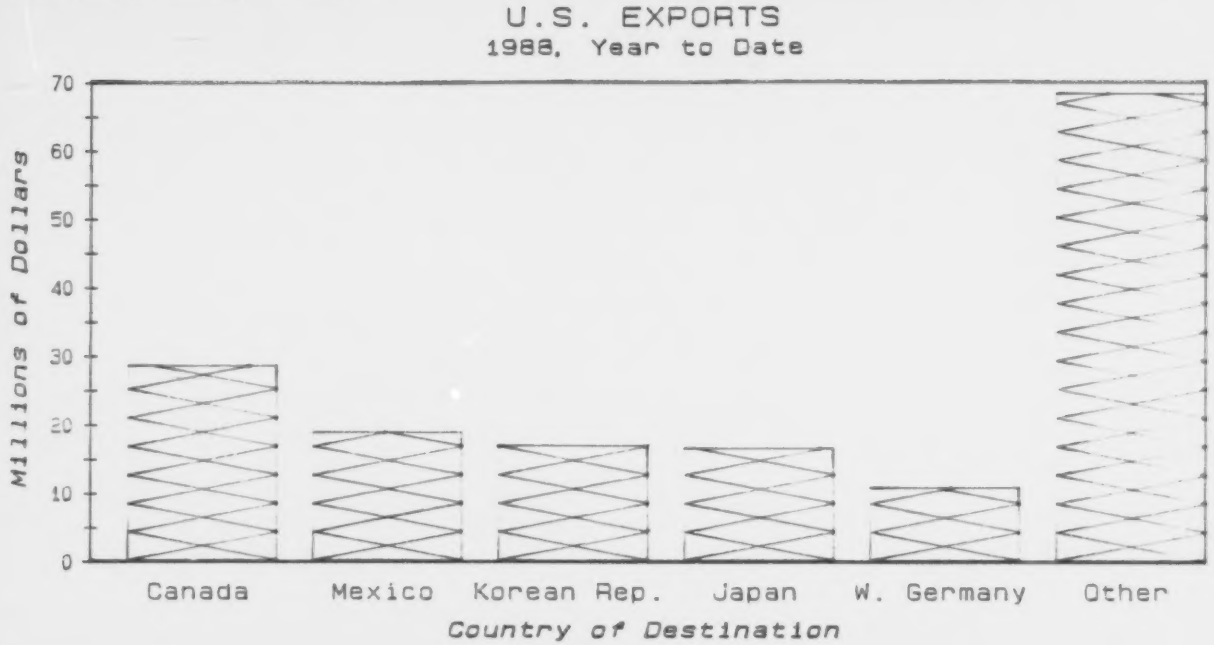
First Quarter 1988
($Millions)

1st Qtr. 1988	Exports	Imports	Surplus (Deficit)
Metal Cutting	$ 86.8	$ 394.1	($ 307.3)
Metal Forming	$ 72.0	$ 127.4	($ 55.4)
Total	$ 158.8	$ 521.4	($ 362.6)

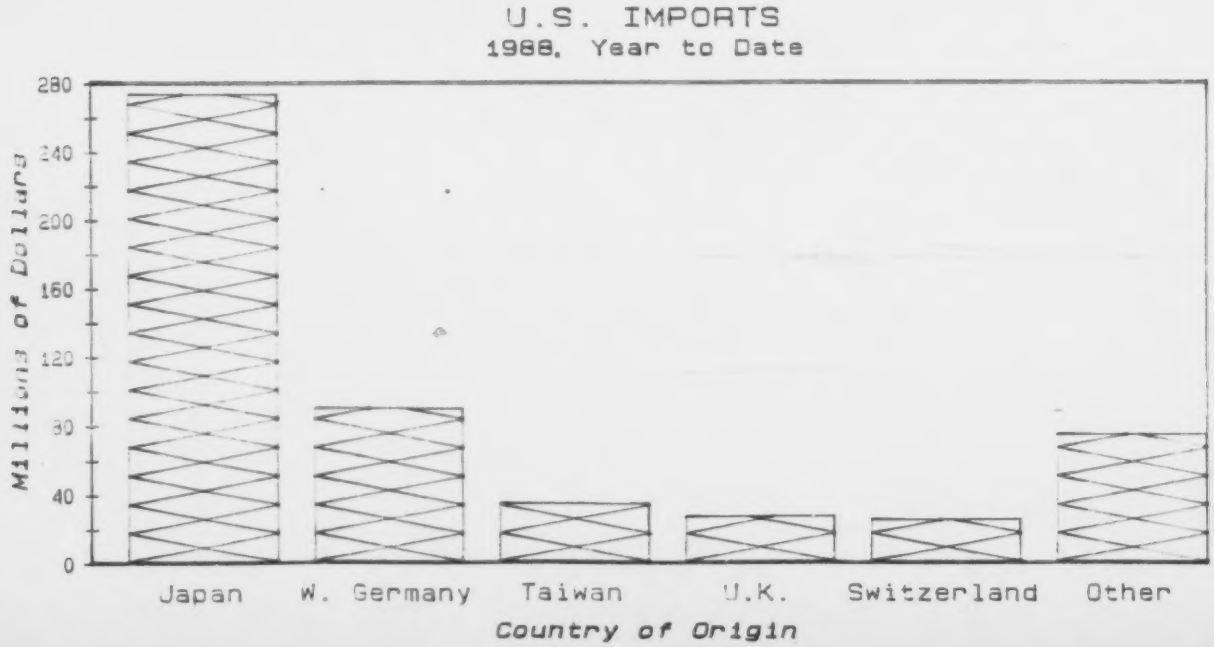


7901 WESTPARK DRIVE, McLEAN, VIRGINIA 22102-4269 / PHONE (703) 893-2900 / TLX: 353819 / FAX (703) 893-1151

U.S. Exports of metal cutting and metal forming machine tools during the first quarter of 1988 totaled $86.8 million and $72.0 million, respectively. These totals represent a 2% increase in both metal cutting and metal forming exports over the first quarter 1987. Compared to last quarter, exports of metal cutting machines declined 15% while metal forming exports rose 2%. For the first three months of 1988, the leading export markets were (in millions): Canada ($28.4), Mexico ($18.7), Korean Republic ($16.7), Japan ($16.3) and West Germany ($10.6).



U.S. Imports of metal cutting machine tools rose 2% from the first quarter of 1987 and increased 19% from last quarter to stand at $394.1 million for the current period. Compared to the first quarter of 1987, metal forming machine tool imports increased 24% to $127.4 million for the current period. Metal forming imports fell 10% from last quarter. Leading exporters of machine tools to the U.S. during the first quarter of 1988 were (in millions): Japan ($272.7), West Germany ($89.6), Taiwan ($33.9), United Kingdom ($26.4) and Switzerland ($24.4).



SPECIAL ADDENDUM

Revision to U.S. Imports of Machine Tools 1987

We have been advised by the U.S. Department of Commerce that there was an error in the October monthly totals for metal cutting machine tools. Imports from Japan in TSUS code 674:3418 "Horizontal Boring-Drilling-Milling Machines, NC, N.E.C." were originally reported as 46 units valued at $1,891,000. This should be changed to 4 units at the same dollar value. Revised year-to-date totals for this category should read as follows:

1987 TOTALS

	Units
3418 - Japan	37
3418 - Total	61
Total Cutting	1,124,000
Total All Types	1,159,657

Verification of U.S. Imports of Machine Tools 1988

In the course of compiling the March 1988 year-to-date data, the average values for two codes appeared to be unusually high. These are 3529 for West Germany and 3598 for Japan. The high overall per unit values are explained through the listing below. This data has been verified by the U.S. Department of Commerce.

Month	Code 674:		Country	Unit	Value $000
Jan. 88	3529	Tool & Cutter Grinding , Non-NC	W. Germany	2	$11,551
Feb. 88	3598	Forging Machines, Non-NC, N.E.C.	Japan	1	$9,220

ES, I1, I2

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U.S. IMPORTS OF MACHINE TOOLS YEAR TO DATE SUMMARY
TOTAL AND COUNTRIES OF ORIGIN BY TYPE OF MACHINE
MARCH 1988

RELEASED: JULY 22, 1988

		TOTAL UNITS	YTD. $000
674:	METAL CUTTING		
3025	Gear Hobbers	20	3816
3035	Gear Shapers	5	1074
3045	Gear Cutting Machines, N.E.C.	15	1108
3404	Vertical Mach. Ctrs. ATC, NC, Y-Axis Travel 26" or Less	509	37267
3406	Vertical Mach. Ctrs. ATC, NC, Y-Axis Travel Over 26"	24	2489
3409	Horizontal Machining Centers, ATC, NC	224	29879
3411	Machining Centers, NC, N.E.C.	99	28278
3412	Single Station and Multi-Station Transfer Machines	27	9164
3413	Way Type Machines, (Unit Heads)	0	0
3417	Horiz. Boring-Drilling-Milling Machines, Table Type, NC	1	758
3418	Horiz. Boring-Drilling-Milling Machines, NC, N.E.C.	22	2366
3419	Vertical Boring-Drilling-Milling Machines, NC	31	2431
3422	Horiz. Boring-Drilling-Milling Machines, Non-NC	1	200
3423	Vertical Boring-Drilling-Milling Machines, Non-NC	45	2362
3328	Drilling Machines, NC	57	2545
3329	Drilling Machines, Multi-Spindle, Non-NC	26	231
3334	Drilling Machines, Radial, Non-NC	30	240
3336	Drilling Machines, Upright, Single Spindle, Non-NC	41	272
3342	Drilling Machines, Non-NC, N.E.C.	146	6584
3464	Milling Machines, NC	83	10502
3466	Milling Machines, Profiling, Dupl. & Die Sinking, Non-NC	7	151
3467	Milling Machines, Knee Type, Non-NC	816	4590
3468	Milling Machines, Bed Type, Non-NC	90	4427
3469	Milling Machines, Non-NC, N.E.C.	626	8091
3476	Vertical Boring Machines, Incl. VTL's, NC	6	1260
3477	Vertical Boring Machines, Incl. VTL's, Non-NC	19	1072
3481	Boring Machines, NC, N.E.C.	4	907
3483	Boring Machines, Non-NC N.E.C.	104	2794
3504	Horizontal Lathes, Multi-Spindle, NC	38	4670
3506	Horizontal Lathes, Single Spindle, Less than 25 HP, NC	798	51144
3508	Horizontal Lathes, Single Spindle, 25-50 HP, NC	112	13709
3510	Horizontal Lathes, Single Spindle, Over 50 HP, NC	10	1378
3512	Horizontal Engine & Toolroom Lathes, Non-NC	610	5622
3513	Automatic Chucking Lathes, Single Spindle, Non-NC	2	143
3514	Automatic Chucking Lathes, Multi-Spindle, Non-NC	3	660
3515	Automatic Bar Machines, Single Spindle, Non-NC	53	1599
3516	Automatic Bar Machines, Multi-Spindle, Non-NC	31	1227
3518	Horizontal Lathes, Non-NC, N.E.C.	50	957
3505	Vertical Lathes, Multi-Spindle, NC	19	1309
3519	Vertical Lathes, NSPF, NC	45	2978
3522	Vertical Lathes, Excl. VTL's, Non-NC	227	4415
3527	Gear Tooth Grinding & Finishing Machines	171	9059
3528	Tool & Cutter Grinding Machines, NC	14	981
3529	Tool & Cutter Grinding Machines, Non-NC	359	17309
3533	Honing & Lapping Machines	89	6236
3539	Grinding Machines, Flat Surface, NC	13	802
3541	Grinding Machines, Flat Surface, Reciprocating Table, Non-NC	122	1773
3543	Grinding Machines, Flat Surface, Non-NC, N.E.C.	655	6958
3546	Grinding & Polishing Machines, NC, N.E.C.	53	5575
3554	External Grinding Machines, Non-NC	121	3636
3556	Internal Grinding Machines, Non-NC	11	774
3558	Grinding, Polishing & Buffing Machines, Non-NC, N.E.C.	57	1307
3559	Grinding Machines, Non-NC, N.E.C.	359	9245
3562	Traveling Wire Electrical Discharge Machines	246	15318
3564	All Other Electrical Discharge Machines	88	5307
3567	Spark Erosion, Ultrasonic & Electrolytic Machines, NC	27	3047
3571	Spark Erosion, Ultrasonic & Electrolytic Machines, Non-NC	291	1563
3576	Metal Cutting Machines Tools, NC, N.E.C.	93	3426
3577	Sawing & Cut-Off Machines, Non-NC	414	7631
3578	Broaching Machines, Non-NC	16	557
3579	Metal Cutting Machine Tools, Non-NC, N.E.C.	376	9718
4000	Metal Cutting Machine Tools, Used or Rebuilt*	565	6346
5000	Metal Cutting Machine Tools, Less Than $2500**	225290	22853
	TOTAL CUTTING	234506	394078
674:	METAL FORMING		
1010	Die Casting Machines	123	11504
3582	Metal Forming Machine Tools, Used or Rebuilt	204	1864
3583	Metal Forming Machine Tools, Less Than $2500	7208	3028
3584	Punching and Shearing Machines, Incl. Combination, NC	99	9200
3586	Shearing Machines, Non-NC	172	3189
3587	Punching & Combination Punching & Shearing Machines, Non-NC	124	2961
3588	Bending, Folding, Straightening & Flattening Machines, NC	88	3673
3589	Press Brakes, Non-NC	168	3773
3591	Bending Rolls, Ram & Press Bending Machines, Non-NC	24	398
3592	Bending, Folding, Str. & Flattening Machines, Non-NC, N.E.C.	266	8219
3593	Metal Forming Machine Tools, NC, N.E.C.	16	17870
3594	Mechanical Presses, Non-NC	160	22069
3595	Hydraulic Presses, Vertical, Single Action, Non-NC	19	985
3596	Hydraulic & Pneumatic Presses, Non-NC, N.E.C.	217	10474
3597	Headers & Upsetters, Non-NC	12	1139
3598	Forging Machines, Non-NC, N.E.C.	33	10557
3599	Metal Forming Machine Tools, Non-NC, N.E.C.	747	16471
	TOTAL FORMING	9680	127368
	TOTAL ALL TYPES	244186	521446

*CODE 6744000 SHOWN ABOVE REPRESENTS COMBINED DATA FROM CODES 674: 3015, 3415, 3326, 3461, 3472, 3502, 3524, & 3573

**CODE 6745000 SHOWN ABOVE REPRESENTS COMBINED DATA FROM CODES 674: 3100, 3462, 3473, 3503, 3526, & 3574

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	AUSTRIA		BELGIUM		DENMARK		FRANCE		ITALY	
674:	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000
3025	0	0	0	0	0	0	0	0	0	0
3035	0	0	0	0	0	0	0	0	0	0
3045	0	0	4	574	0	0	0	0	0	0
3404	0	0	0	0	0	0	5	350	0	0
3406	0	0	0	0	0	0	0	0	0	0
3409	0	0	0	0	0	0	0	0	0	0
3411	0	0	18	340	0	0	1	352	2	115
3412	0	0	0	0	0	0	0	0	2	565
3413	0	0	0	0	0	0	0	0	0	0
3417	0	0	0	0	0	0	0	0	0	0
3418	0	0	0	0	0	0	0	0	0	0
3419	0	0	0	0	0	0	0	0	0	0
3422	0	0	0	0	0	0	0	0	0	0
3423	0	0	0	0	0	0	0	0	9	1877
3328	0	0	0	0	0	0	0	0	0	0
3329	0	0	0	0	0	0	0	0	0	0
3334	0	0	0	0	0	0	0	0	0	0
3336	0	0	0	0	0	0	0	0	0	0
3342	0	0	0	0	1	11	1	9	20	140
3464	0	0	0	0	0	0	0	0	11	1078
3466	0	0	0	0	0	0	0	0	0	0
3467	0	0	0	0	0	0	0	0	0	0
3468	0	0	0	0	0	0	3	98	0	0
3469	3	17	0	0	0	0	5	433	14	523
3476	0	0	0	0	0	0	0	0	0	0
3477	0	0	0	0	0	0	0	0	12	686
3481	0	0	0	0	0	0	0	0	0	0
3483	0	0	0	0	0	0	0	0	35	369
3504	0	0	0	0	0	0	0	0	1	19
3506	0	0	0	0	0	0	0	0	0	0
3508	0	0	0	0	0	0	0	0	0	0
3510	0	0	0	0	0	0	0	0	0	0
3512	0	0	0	0	0	0	0	0	0	0
3513	0	0	0	0	0	0	0	0	0	0
3514	0	0	0	0	0	0	0	0	0	0
3515	0	0	0	0	0	0	0	0	0	0
3516	0	0	0	0	0	0	0	0	0	0
3518	0	0	0	0	0	0	7	20	8	58
3505	0	0	0	0	0	0	0	0	0	0
3519	0	0	0	0	0	0	0	0	6	1260
3522	88	1004	0	0	0	0	0	0	4	109
3527	0	0	0	0	0	0	0	0	2	185
3528	0	0	0	0	0	0	0	0	5	143
3529	1	67	0	0	0	0	10	89	1	10
3533	0	0	0	0	0	0	0	0	12	58
3539	0	0	0	0	0	0	0	0	0	0
3541	0	0	0	0	0	0	0	0	28	320
3543	17	146	0	0	0	0	0	0	2	67
3546	0	0	0	0	0	0	0	0	0	0
3554	0	0	0	0	0	0	0	0	1	332
3556	0	0	0	0	0	0	0	0	0	0
3558	0	0	0	0	0	0	0	0	7	267
3559	0	0	2	10	57	374	17	134	44	384
3562	0	0	0	0	0	0	0	0	0	0
3564	0	0	0	0	0	0	0	0	0	0
3567	0	0	0	0	0	0	0	0	0	0
3571	0	0	0	0	0	0	0	0	0	0
3576	0	0	0	0	0	0	8	128	0	0
3577	0	0	0	0	0	0	6	139	23	174
3578	0	0	0	0	0	0	0	0	1	108
3579	1	19	2	35	0	0	0	0	6	369
4000	1	1	3	34	0	0	6	34	42	388
5000	833	453	173	48	124	111	1186	565	2495	424
CUT YTD	944	1707	202	1041	182	496	1255	2351	2793	10028
1010	0	0	0	0	0	0	0	0	26	435
3582	0	0	4	66	0	0	0	0	0	0
3583	0	0	227	66	20	10	84	118	1120	171
3584	0	0	0	0	0	0	0	0	0	0
3586	1	83	16	461	0	0	0	0	11	93
3587	0	0	0	0	0	0	1	48	24	1309
3588	0	0	1	216	0	0	2	35	3	342
3589	0	0	15	521	0	0	0	0	0	0
3591	0	0	0	0	0	0	0	0	4	42
3592	0	0	1	13	0	0	3	793	37	675
3593	0	0	2	8	0	0	0	0	1	31
3594	0	0	0	0	0	0	0	0	0	0
3595	0	0	0	0	0	0	0	0	0	0
3596	0	0	4	65	0	0	1	17	14	3463
3597	0	0	0	0	0	0	0	0	4	503
3598	0	0	0	0	0	0	0	0	8	74
3599	0	0	214	2169	0	0	77	1017	58	1682
FRM YTD	1	83	484	3585	20	10	168	2028	1310	8820
TOT YTD	945	1790	686	4626	202	506	1423	4379	4103	18848

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	NETHERLANDS		PORTUGAL		SPAIN		SWEDEN		SWITZERLAND	
674:	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000
3025	0	0	0	0	0	0	0	0	1	133
3035	0	0	0	0	0	0	0	0	0	0
3045	0	0	0	0	0	0	0	0	0	0
3404	0	0	0	0	0	0	0	0	0	0
3406	0	0	0	0	0	0	0	0	0	0
3409	0	0	0	0	0	0	3	283	0	0
3411	0	0	0	0	0	0	0	0	3	853
3412	0	0	0	0	0	0	0	0	9	1796
3413	0	0	0	0	0	0	0	0	0	0
3417	0	0	0	0	0	0	0	0	0	0
3418	0	0	0	0	0	0	0	0	0	0
3419	0	0	0	0	0	0	1	52	0	0
3422	0	0	0	0	1	200	0	0	0	0
3423	0	0	0	0	0	0	0	0	0	0
3328	0	0	0	0	2	62	0	0	0	0
3329	0	0	0	0	0	0	0	0	0	0
3334	0	0	0	0	2	55	0	0	0	0
3336	0	0	0	0	0	0	12	75	0	0
3342	1	43	2	13	18	51	0	0	1	9
3464	0	0	0	0	1	182	0	0	1	1076
3466	0	0	0	0	0	0	0	0	3	10
3467	0	0	0	0	278	1628	0	0	0	0
3468	0	0	0	0	0	0	0	0	0	0
3469	1	39	0	0	58	600	5	364	4	248
3476	0	0	0	0	0	0	0	0	2	884
3477	0	0	0	0	0	0	0	0	0	0
3481	0	0	0	0	0	0	0	0	0	0
3483	0	0	0	0	3	12	0	0	8	886
3504	0	0	0	0	0	0	0	0	0	0
3506	0	0	0	0	0	0	0	0	1	4
3508	2	231	0	0	6	338	0	0	0	0
3510	0	0	0	0	0	0	0	0	0	0
3512	0	0	0	0	3	398	0	0	0	0
3513	0	0	0	0	0	0	0	0	0	0
3514	0	0	0	0	0	0	0	0	0	0
3515	0	0	0	0	0	0	0	0	3	316
3516	0	0	0	0	0	0	0	0	5	228
3518	0	0	0	0	0	0	0	0	2	83
3505	0	0	0	0	0	0	0	0	3	412
3519	0	0	0	0	0	0	0	0	0	0
3522	0	0	0	0	3	140	0	0	4	14
3527	0	0	0	0	0	0	1	4	29	2817
3528	0	0	0	0	0	0	0	0	0	0
3529	0	0	0	0	7	600	0	0	20	311
3533	0	0	0	0	0	0	0	0	1	9
3539	0	0	0	0	1	51	0	0	0	0
3541	0	0	0	0	0	0	0	0	2	60
3543	0	0	0	0	1	80	0	0	2	266
3546	0	0	0	0	0	0	0	0	1	491
3554	0	0	0	0	0	0	1	74	19	1677
3556	0	0	0	0	0	0	0	0	2	288
3558	18	508	0	0	18	48	0	0	1	153
3559	3	219	0	0	0	0	7	447	5	267
3562	0	0	0	0	0	0	0	0	48	5456
3564	0	0	0	0	0	0	1	5	15	1717
3567	0	0	0	0	0	0	0	0	0	0
3571	0	0	0	0	0	0	0	0	0	0
3576	0	0	0	0	0	0	0	0	0	0
3577	5	18	0	0	0	0	0	0	1	48
3578	0	0	0	0	0	0	0	0	0	0
3579	1	76	0	0	1	19	8	237	5	24
4000	5	22	0	0	2	21	1	9	15	448
5000	4060	328	20	25	87	35	573	397	1154	143
CUT YTD	4096	1484	22	38	492	4520	613	1947	1370	21127
1010	0	0	0	0	0	0	0	0	1	564
3582	0	0	0	0	0	0	2	14	5	68
3583	1	2	6	2	110	11	244	70	570	78
3584	1	57	0	0	0	0	0	0	4	385
3586	3	62	1	17	2	10	0	0	0	0
3587	0	0	0	0	51	546	10	181	4	73
3588	1	44	0	0	0	0	0	0	3	48
3589	0	0	17	154	0	0	0	0	2	140
3591	0	0	0	0	0	0	10	165	0	0
3592	14	693	0	0	0	0	19	408	10	570
3593	0	0	0	0	0	0	0	0	1	49
3594	0	0	0	0	0	0	0	0	11	1101
3595	0	0	0	0	0	0	1	78	0	0
3596	1	16	1	13	1	32	2	376	3	74
3597	0	0	0	0	0	0	0	0	0	0
3598	0	0	0	0	0	0	0	0	0	0
3599	0	0	0	0	2	100	2	7	6	103
FRM YTD	21	874	25	186	166	699	290	1299	620	3253
TOT YTD	4117	2358	47	224	658	5219	903	3246	1990	24380

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	U. KINGDOM		W. GERMANY		YUGOSLAVIA		CANADA		BRAZIL	
674:	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000
3025	0	0	16	3461	0	0	0	0	0	0
3035	3	573	2	501	0	0	0	0	0	0
3045	0	0	7	353	0	0	0	0	0	0
3404	27	1881	7	1048	0	0	0	0	0	0
3406	0	0	1	185	0	0	0	0	0	0
3409	77	3635	0	0	0	0	0	0	0	0
3411	4	275	6	3806	0	0	1	181	0	0
3412	1	337	15	6466	0	0	0	0	0	0
3413	0	0	0	0	0	0	0	0	0	0
3417	1	758	0	0	0	0	0	0	0	0
3418	0	0	3	916	4	214	0	0	0	0
3419	0	0	20	1800	0	0	0	0	0	0
3422	0	0	0	0	0	0	0	0	0	0
3423	0	0	7	355	0	0	0	0	0	0
3328	3	61	1	26	0	0	0	0	0	0
3329	0	0	0	0	0	0	0	0	0	0
3334	0	0	0	0	0	0	1	4	2	12
3336	0	0	4	29	0	0	0	0	0	0
3342	1	293	30	5221	0	0	4	76	5	21
3464	8	690	28	2117	0	0	1	104	0	0
3466	3	36	0	0	0	0	0	0	0	0
3467	52	164	0	0	0	0	0	0	0	0
3468	2	64	50	3452	0	0	0	0	0	0
3469	294	3422	24	402	0	0	4	19	0	0
3476	2	155	0	0	0	0	0	0	0	0
3477	0	0	2	144	0	0	0	0	0	0
3481	0	0	0	0	0	0	0	0	0	0
3483	6	939	44	335	0	0	5	69	0	0
3504	0	0	1	272	0	0	0	0	0	0
3506	1	33	8	1831	0	0	0	0	0	0
3508	2	334	1	260	0	0	0	0	0	0
3510	0	0	0	0	0	0	0	0	0	0
3512	134	1677	0	0	12	167	0	0	73	344
3513	0	0	0	0	0	0	0	0	0	0
3514	0	0	1	537	0	0	0	0	0	0
3515	0	0	0	0	0	0	0	0	0	0
3516	3	401	0	0	0	0	0	0	0	0
3518	7	294	3	184	0	0	1	3	8	25
3505	0	0	0	0	0	0	0	0	0	0
3519	0	0	3	92	0	0	0	0	0	0
3522	33	311	17	1857	0	0	7	327	39	277
3527	29	898	37	4668	0	0	0	0	0	0
3528	0	0	3	165	0	0	0	0	0	0
3529	70	618	123	12987	0	0	11	121	0	0
3533	21	579	16	3204	0	0	1	3	0	0
3539	0	0	3	204	0	0	0	0	0	0
3541	0	0	1	24	0	0	0	0	0	0
3543	4	118	54	720	0	0	12	31	0	0
3546	0	0	41	3916	0	0	0	0	0	0
3554	3	55	5	346	0	0	0	0	0	0
3556	0	0	2	323	0	0	0	0	0	0
3558	0	0	3	115	0	0	0	0	0	0
3559	45	899	62	1881	0	0	16	114	0	0
3562	1	21	4	129	0	0	0	0	0	0
3564	3	35	15	741	0	0	0	0	0	0
3567	1	26	3	155	0	0	0	0	0	0
3571	19	529	7	269	0	0	0	0	0	0
3576	4	288	3	250	0	0	0	0	0	0
3577	3	33	59	838	20	56	38	402	0	0
3578	13	418	1	4	0	0	0	0	0	0
3579	64	728	85	4353	0	0	64	1301	0	0
4000	59	974	55	990	1	3	224	284	0	0
5000	1921	722	2413	646	25	45	2421	662	28	41
CUT YTD	2924	23274	3296	72578	62	485	2811	3701	155	720
1010	11	75	16	373	0	0	63	9699	0	0
3582	83	200	4	118	0	0	57	360	0	0
3583	239	50	1035	671	0	0	87	68	0	0
3584	1	297	16	705	0	0	0	0	0	0
3586	42	247	11	211	0	0	12	241	0	0
3587	0	0	15	573	0	0	10	104	0	0
3588	2	212	3	293	0	0	1	24	0	0
3589	0	0	0	0	0	0	34	945	0	0
3591	2	19	2	100	0	0	5	48	0	0
3592	4	373	66	687	0	0	85	2292	0	0
3593	0	0	0	0	0	0	0	0	0	0
3594	2	273	52	3349	0	0	4	95	0	0
3595	1	244	1	152	0	0	2	19	0	0
3596	62	952	25	1261	0	0	18	336	0	0
3597	0	0	2	232	0	0	0	0	0	0
3598	0	0	17	1157	0	0	0	0	0	0
3599	6	136	141	7121	0	0	44	1442	10	36
FRM YTD	455	3078	1406	17003	0	0	422	15673	10	36
TOT YTD	3379	26352	4702	89581	62	485	3233	19374	165	756

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	CHINA		ISRAEL		JAPAN		KOREAN REP.		SINGAPORE	
674:	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000
3025	0	0	0	0	2	199	0	0	0	0
3035	0	0	0	0	0	0	0	0	0	0
3045	2	48	0	0	1	22	0	0	0	0
3404	0	0	0	0	404	31368	0	0	2	148
3406	0	0	0	0	14	1721	0	0	0	0
3409	0	0	0	0	141	25804	0	0	0	0
3411	0	0	0	0	48	21408	8	416	0	0
3412	0	0	0	0	0	0	0	0	0	0
3413	0	0	0	0	0	0	0	0	0	0
3417	0	0	0	0	0	0	0	0	0	0
3418	0	0	0	0	15	1236	0	0	0	0
3419	0	0	0	0	6	472	0	0	0	0
3422	0	0	0	0	0	0	0	0	0	0
3423	0	0	0	0	1	8	0	0	0	0
3328	0	0	0	0	51	2396	0	0	0	0
3329	0	0	0	0	26	231	0	0	0	0
3334	0	0	0	0	1	37	0	0	0	0
3336	9	40	0	0	4	71	0	0	0	0
3342	3	10	0	0	28	516	0	0	0	0
3464	0	0	0	0	26	4964	0	0	0	0
3466	0	0	0	0	1	105	0	0	0	0
3467	8	111	0	0	1	32	0	0	0	0
3468	0	0	2	61	8	429	0	0	0	0
3469	19	72	0	0	12	587	0	0	0	0
3476	0	0	0	0	2	221	0	0	0	0
3477	0	0	0	0	1	45	3	128	0	0
3481	0	0	0	0	4	907	0	0	0	0
3483	0	0	0	0	0	0	0	0	0	0
3504	5	41	0	0	28	4184	0	0	0	0
3506	0	0	0	0	663	45452	31	1128	12	107
3508	0	0	0	0	91	12109	5	274	0	0
3510	0	0	0	0	10	1378	0	0	0	0
3512	23	98	0	0	5	240	81	497	62	563
3513	0	0	0	0	1	125	0	0	0	0
3514	0	0	0	0	2	123	0	0	0	0
3515	0	0	0	0	45	1231	0	0	0	0
3516	0	0	0	0	23	598	0	0	0	0
3518	11	83	0	0	3	207	0	0	0	0
3505	10	28	0	0	6	869	0	0	0	0
3519	0	0	0	0	32	1546	4	80	0	0
3522	0	0	0	0	8	201	19	130	0	0
3527	0	0	0	0	11	69	0	0	0	0
3528	0	0	0	0	6	673	0	0	0	0
3529	1	4	0	0	56	2035	0	0	0	0
3533	0	0	0	0	38	2383	0	0	0	0
3539	0	0	0	0	6	483	0	0	0	0
3541	0	0	0	0	7	447	0	0	65	772
3543	16	57	0	0	154	3373	0	0	0	0
3546	0	0	0	0	9	1047	0	0	0	0
3554	0	0	0	0	75	1045	0	0	0	0
3556	4	44	0	0	3	119	0	0	0	0
3558	4	85	0	0	1	99	0	0	0	0
3559	5	75	0	0	40	4115	0	0	0	0
3562	0	0	0	0	144	9376	0	0	0	0
3564	3	38	0	0	39	2620	0	0	0	0
3567	0	0	0	0	20	2759	0	0	0	0
3571	6	54	0	0	206	551	0	0	0	0
3576	1	18	0	0	71	2311	0	0	0	0
3577	0	0	7	350	102	4833	3	93	0	0
3578	0	0	0	0	1	27	0	0	0	0
3579	1	5	0	0	76	2257	1	5	0	0
4000	0	0	0	0	52	2634	0	0	0	0
5000	7227	457	150	7	11830	2392	1012	226	72	52
CUT YTD	7358	1368	159	418	14661	206690	1167	2977	213	1642
1010	0	0	0	0	5	340	0	0	0	0
3582	0	0	1	50	39	397	1	7	0	0
3583	0	0	5	9	599	661	17	6	216	112
3584	0	0	0	0	77	7756	0	0	0	0
3586	0	0	18	346	30	1112	1	15	18	185
3587	0	0	0	0	3	60	0	0	0	0
3588	0	0	0	0	69	2351	0	0	0	0
3589	0	0	4	128	42	1228	0	0	17	313
3591	0	0	0	0	1	24	0	0	0	0
3592	0	0	6	70	16	1603	2	17	0	0
3593	0	0	0	0	9	17666	0	0	0	0
3594	0	0	0	0	83	17067	0	0	0	0
3595	0	0	0	0	13	454	0	0	0	0
3596	0	0	0	0	69	3363	0	0	0	0
3597	0	0	0	0	6	404	0	0	0	0
3598	2	58	0	0	3	9239	0	0	0	0
3599	0	0	5	52	166	2236	0	0	2	86
FRM YTD	2	58	39	655	1230	65961	21	45	253	696
TOT YTD	7360	1426	198	1073	15891	272651	1188	3022	466	2338

U.S. IMPORTS OF MACHINE TOOLS YEAR TO DATE SUMMARY
TOTAL AND COUNTRIES OF ORIGIN BY TYPE OF MACHINE
MARCH 1988

674:	TAIWAN UNITS	TAIWAN $000	AUSTRALIA UNITS	AUSTRALIA $000	ALL OTHERS UNITS	ALL OTHERS $000
3025	0	0	0	0	1	23
3035	0	0	0	0	0	0
3045	0	0	0	0	1	111
3404	64	2472	0	0	0	0
3406	9	583	0	0	0	0
3409	3	157	0	0	0	0
3411	3	290	0	0	5	242
3412	0	0	0	0	0	0
3413	0	0	0	0	0	0
3417	0	0	0	0	0	0
3418	0	0	0	0	0	0
3419	4	107	0	0	0	0
3422	0	0	0	0	0	0
3423	28	122	0	0	0	0
3328	0	0	0	0	0	0
3329	0	0	0	0	0	0
3334	24	132	0	0	0	0
3336	12	57	0	0	0	0
3342	30	167	0	0	1	4
3464	7	291	0	0	0	0
3466	0	0	0	0	0	0
3467	474	2620	0	0	3	35
3468	24	313	1	10	0	0
3469	176	1228	0	0	7	137
3476	0	0	0	0	0	0
3477	0	0	0	0	1	69
3481	0	0	0	0	0	0
3483	0	0	0	0	3	184
3504	3	154	0	0	0	0
3506	82	2589	0	0	0	0
3508	5	163	0	0	0	0
3510	0	0	0	0	0	0
3512	153	1069	0	0	64	569
3513	1	18	0	0	0	0
3514	0	0	0	0	0	0
3515	5	52	0	0	0	0
3516	0	0	0	0	0	0
3518	0	0	0	0	0	0
3505	0	0	0	0	0	0
3519	0	0	0	0	0	0
3522	5	45	0	0	0	0
3527	60	377	1	22	1	19
3528	0	0	0	0	0	0
3529	52	304	5	144	2	19
3533	0	0	0	0	0	0
3539	3	64	0	0	0	0
3541	19	150	0	0	0	0
3543	382	1923	0	0	11	177
3546	1	10	0	0	1	111
3554	17	107	0	0	0	0
3556	0	0	0	0	0	0
3558	5	32	0	0	0	0
3559	47	287	0	0	9	39
3562	34	186	15	150	0	0
3564	12	151	0	0	0	0
3567	0	0	0	0	3	107
3571	52	45	1	115	0	0
3576	3	334	1	49	2	48
3577	146	640	1	7	0	0
3578	0	0	0	0	0	0
3579	60	266	0	0	1	24
4000	76	309	0	0	23	195
5000	157991	14261	122	19	29373	794
CUT YTD	160072	32075	147	516	29512	2907
1010	1	18	0	0	0	0
3582	0	0	5	208	3	376
3583	2503	719	0	0	125	204
3584	0	0	0	0	0	0
3586	2	28	0	0	4	78
3587	2	6	0	0	4	61
3588	0	0	0	0	3	108
3589	37	344	0	0	0	0
3591	0	0	0	0	0	0
3592	1	6	0	0	2	19
3593	0	0	0	0	3	116
3594	8	184	0	0	0	0
3595	0	0	0	0	1	38
3596	12	429	0	0	4	77
3597	0	0	0	0	0	0
3598	3	29	0	0	0	0
3599	3	60	0	0	11	224
FRM YTD	2572	1823	5	208	160	1301
TOT YTD	162644	33898	152	724	29672	4208

U.S. IMPORTS OF MACHINE TOOLS YEAR TO DATE SUMMARY TOTAL AND COUNTRIES OF ORIGIN
THE FOLLOWING IS A BREAKDOWN OF THE ACTIVITY BY COUNTRY WHICH IS INCLUDED IN THE
ALL OTHER COLUMN
MARCH 1988

	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	$000	UNITS	$000	UNITS	$000
OTHER EUROPE						
AZORES	0	0	0	0	0	0
BULGARIA	0	0	0	0	0	0
CYPRUS	0	0	0	0	0	0
CZECHOSLOVAKIA	32	379	0	0	32	379
EAST GERMANY	11	169	1	43	12	212
FINLAND	6	260	5	434	11	694
GIBRALTAR	0	0	0	0	0	0
GREECE	0	0	3	104	3	104
HUNGARY	3	101	0	0	3	101
ICELAND	0	0	0	0	0	0
IRELAND	100	8	10	3	110	11
MALTA	0	0	0	0	0	0
NORWAY	1	111	10	119	11	230
POLAND	45	491	0	0	45	491
ROMANIA	0	0	0	0	0	0
USSR	3	182	1	8	4	190
OTHER EUROPE	2	19	0	0	2	19
TOTAL	203	1720	30	711	233	2431
OTHER NORTH AND CENTRAL AMERICA						
BAHAMAS	0	0	0	0	0	0
BARBADOS	0	0	0	0	0	0
BELIZE	0	0	0	0	0	0
BERMUDA	0	0	0	0	0	0
CAYMAN	0	0	0	0	0	0
COSTA RICA	0	0	0	0	0	0
DOMINICAN REP.	0	0	0	0	0	0
FR. W. INDIES	0	0	0	0	0	0
GUATEMALA	0	0	0	0	0	0
HAITI	0	0	0	0	0	0
HONDURAS	0	0	0	0	0	0
JAMAICA	0	0	0	0	0	0
LW & WW IS.	0	0	0	0	0	0
MEXICO	29258	783	103	380	29361	1163
NICARAGUA	0	0	0	0	0	0
N. ANTILLES	0	0	0	0	0	0
PANAMA	0	0	0	0	0	0
SALVADOR	0	0	0	0	0	0
TRINIDAD	0	0	0	0	0	0
TURK ISLAND	0	0	0	0	0	0
OTHER N & C AM.	0	0	0	0	0	0
TOTAL	29258	783	103	380	29361	1163
OTHER SOUTH AMERICA						
ARGENTINA	3	107	0	0	3	107
BOLIVIA	0	0	0	0	0	0
CHILE	0	0	0	0	0	0
COLOMBIA	0	0	0	0	0	0
ECUADOR	0	0	0	0	0	0
FRENCH GUIANA	0	0	0	0	0	0
GUYANA	0	0	0	0	0	0
PARAGUAY	0	0	0	0	0	0
PERU	0	0	0	0	0	0
SURINAM	0	0	0	0	0	0
URAGUAY	0	0	0	0	0	0
VENEZUELA	0	0	0	0	0	0
OTHER S. AM.	0	0	0	0	0	0
TOTAL	3	107	0	0	3	107
OTHER OCEANIA						
FR. PAC. IS.	0	0	0	0	0	0
NEW GUINEA	0	0	0	0	0	0
NEW ZEALAND	0	0	0	0	0	0
SAMOA	0	0	0	0	0	0
TERR. PAC. IS.	0	0	0	0	0	0
OTH. PAC. IS.	0	0	0	0	0	0
OTHER OCEANIA	0	0	0	0	0	0
TOTAL	0	0	0	0	0	0

U.S. IMPORTS OF MACHINE TOOLS YEAR TO DATE SUMMARY TOTAL AND COUNTRIES OF ORIGIN
THE FOLLOWING IS A BREAKDOWN OF THE ACTIVITY BY COUNTRY WHICH IS INCLUDED IN THE
ALL OTHER COLUMN
MARCH 1988

	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	$000	UNITS	$000	UNITS	$000
OTHER ASIA						
ADEN	0	0	0	0	0	0
AFGHANISTAN	0	0	0	0	0	0
ARAB EMIRATES	0	0	0	0	0	0
BAHRAIN	0	0	0	0	0	0
BANGLADESH	0	0	0	0	0	0
BRUNEI	0	0	0	0	0	0
BURMA	0	0	0	0	0	0
GAZA STRIP	0	0	0	0	0	0
HONG KONG	14	79	3	129	17	208
INDIA	20	178	0	0	20	178
INDONESIA	0	0	0	0	0	0
IRAN	0	0	0	0	0	0
IRAQ	0	0	0	0	0	0
JORDAN	0	0	0	0	0	0
KUWAIT	0	0	0	0	0	0
LEBANON	0	0	0	0	0	0
MALAYSIA	0	0	1	5	1	5
NEPAL	0	0	0	0	0	0
OMAN	0	0	0	0	0	0
PAKISTAN	0	0	0	0	0	0
PHILIPPINES	8	36	0	0	8	36
QATAR	0	0	0	0	0	0
SAUDI ARABIA	0	0	0	0	0	0
SRI LANKA	0	0	0	0	0	0
SYRIA	0	0	0	0	0	0
THAILAND	0	0	22	24	22	24
TURKEY	0	0	0	0	0	0
YEMEN	0	0	0	0	0	0
OTHER ASIA	0	0	0	0	0	0
TOTAL	42	293	26	158	68	451
OTHER AFRICA						
AFARS & ISSAS	0	0	0	0	0	0
ALGERIA	0	0	0	0	0	0
ANGOLA	0	0	0	0	0	0
BENIN	0	0	0	0	0	0
BOTSWANA	0	0	0	0	0	0
CAMEROON	0	0	0	0	0	0
CANARY ISLANDS	0	0	0	0	0	0
DAHOMEY	0	0	0	0	0	0
EGYPT	0	0	0	0	0	0
ETHIOPIA	0	0	0	0	0	0
GABON	0	0	0	0	0	0
GHANA	0	0	0	0	0	0
GUINEA	0	0	0	0	0	0
IVORY COAST	0	0	0	0	0	0
KENYA	0	0	0	0	0	0
LESOTHO	0	0	0	0	0	0
LIBERIA	0	0	0	0	0	0
LIBYA	0	0	0	0	0	0
MALAG. REP.	0	0	0	0	0	0
MALAWI	0	0	0	0	0	0
MAURITANIA	0	0	0	0	0	0
MAURITIUS	0	0	0	0	0	0
MOROCCO	0	0	0	0	0	0
MOZAMBIQUE	0	0	0	0	0	0
NIGER	0	0	1	52	1	52
NIGERIA	0	0	0	0	0	0
REP. S. AFRICA	6	4	0	0	6	4
RWANDA	0	0	0	0	0	0
SENEGAL	0	0	0	0	0	0
SIERRA LEONE	0	0	0	0	0	0
SOMALIA	0	0	0	0	0	0
S. W. AFRICA	0	0	0	0	0	0
SUDAN	0	0	0	0	0	0
SWAZILAND	0	0	0	0	0	0
TANZANIA	0	0	0	0	0	0
TOGO	0	0	0	0	0	0
TUNISIA	0	0	0	0	0	0
UGANDA	0	0	0	0	0	0
ZAIRE	0	0	0	0	0	0
ZAMBIA	0	0	0	0	0	0
ZIMBABWE	0	0	0	0	0	0
OTH. WEST AFR.	0	0	0	0	0	0
OTHER AFRICA	0	0	0	0	0	0
TOTAL	6	4	1	52	7	56

SOURCE: U.S. DEPARTMENT OF COMMERCE CENSUS REPORT NO. IM146; NATIONAL MACHINE TOOL BUILDERS' ASSOCIATION

NOTES: 1)'0-' = DOLLAR AMOUNT LESS THAN $500. 2)N.E.C. - NOT ELSEWHERE CLASSIFIED. 3)INDIVIDUAL ITEMS MAY NOT ADD TO TOTALS DUE TO ROUNDING. 4)MACHINE TOOL IMPORTS, AS REFLECTED IN THE GOVERNMENT STATISTICS, ARE ACTUALLY UNDERVALUED SINCE THEY REFLECT VALUES IN THE COUNTRY OF ORIGIN AND DO NOT INCLUDE OCEAN FREIGHT, INSURANCE, COMMISSIONS OR IMPORT DUTIES.

7/26/88

U.S. EXPORTS OF MACHINE TOOLS YEAR TO DATE SUMMARY
TOTAL AND COUNTRIES OF DESTINATION BY TYPE OF MACHINE

MARCH 1988

M5050-3A

RELEASED: JULY 22, 1988

		TOTAL UNITS	YTD. $000
674:	METAL CUTTING		
3020	Gear Hobbers & Shapers	53	2900
3045	Gear Cutting Machines, N.E.C.	10	1591
3204	Vertical Mach. Ctrs. ATC, NC, Y-Axis Travel 26" or Less	42	2419
3206	Vertical Mach. Ctrs. ATC, NC, Y-Axis Travel Over 26"	5	994
3209	Horizontal Machining Centers, ATC, NC	2	650
3211	Machining Centers, NC, N.E.C.	18	1092
3216	Single Station and Multi-Station Transfer Machines	6	6481
3225	Way Type Machines (Unit Heads)	1	108
3245	Horiz. Boring-Drilling-Milling Machines, Table Type, NC	1	425
3246	Horiz. Boring-Drilling-Milling Machines, NC, N.E.C.	0	0
3247	Vertical Boring-Drilling-Milling Machines, NC	1	512
3248	Horiz. Boring-Drilling-Milling Machines, Non-NC	1	150
3249	Vertical Boring-Drilling-Milling Machines, Non-NC	4	60
3254	Drilling Machines, NC	2	277
3255	Drilling Machines, Multi-Spindle, Non-NC	4	249
3256	Drilling Machines, Radial, Non-NC	7	254
3257	Drilling Machines, Upright, Single Spindle, Non-NC	1	14
3258	Drilling Machines, Non-NC, N.E.C.	25	459
3264	Milling Machines, NC	3	349
3266	Milling Machines, Profiling, Dupl. & Die Sinking, Non-NC	7	893
3267	Milling Machines, Knee Type, Non-NC	1	44
3268	Milling Machines, Bed Type, Non-NC	0	0
3269	Milling Machines, Non-NC, N.E.C.	34	2033
3276	Vertical Boring Machines, Incl. VTLs, NC	0	0
3277	Vertical Boring Machines, Incl. VTLs, Non-NC	22	1203
3281	Boring Machines, NC, N.E.C.	1	85
3283	Boring Machines, Non-NC, N.E.C.	28	1564
3503	Horizontal Lathes, Multi-Spindle, NC	12	1658
3505	Horizontal Lathes, Excl. Multi-Spindle, NC, Less Than 25 HP	32	2692
3507	Horizontal Lathes, Excl. Multi-Spindle, NC, 25-50 HP	7	934
3509	Horizontal Lathes, Excl. Multi-Spindle, NC, Over 50 HP	4	590
3510	Horizontal Engine & Toolroom Lathes, Non-NC	23	373
3511	Automatic Chucking Lathes, Single Spindle, Non-NC	12	1319
3512	Automatic Chucking Lathes, Multi-Spindle, Non-NC	3	361
3515	Automatic Bar Machines, Single-Spindle, Non-NC	11	120
3516	Automatic Bar Machines, Multi-Spindle, Non-NC	6	251
3518	Horizontal Lathes, Non-NC, N.E.C.	79	1533
3521	Vertical Lathes, Multi-Spindle, Excl. VTLs, NC	1	235
3523	Vertical Lathes, Excl. Multi-Spindle & VTLs, NC	2	57
3525	Vertical Lathes, Excl. VTLs, Non-NC	26	1088
3528	Grinding, Polishing, Honing & Lapping Machines, NC	39	6095
3529	Gear Tooth Grinding & Finishing Machines, Non-NC	24	929
3531	Tool & Cutter Grinding Machines, Non-NC	88	1112
3532	Honing & Lapping Machines, Non-NC	171	1910
3533	Grinding Machines, Flat Surface Reciprocating Table, Non-NC	25	445
3538	Grinding Machines, Flat Surface, Non-NC, N.E.C.	75	5818
3541	External Grinding Machines, Non-NC	5	373
3542	Internal Grinding Machines, Non-NC	9	1631
3544	Grinding, Polishing & Buffing Machines, Non-NC, N.E.C.	90	3943
3546	Grinding Machines, Non-NC, N.E.C.	46	3473
3547	Traveling Wire Electrical Discharge Machines	3	190
3549	All Other Electrical Discharge Machines	58	469
3551	Spark Erosion, Ultrasonic & Electrolytic Machines, NC	4	181
3553	Spark Erosion, Ultrasonic & Electrolytic Machines, Non-NC	23	859
3559	Metal Cutting Machine Tools, NC, N.E.C.	37	1986
3565	Sawing & Cut-Off Machines, Non-NC	123	1636
3566	Broaching Machines, Non-NC	2	59
3567	Metal Cutting Machine Tools, Non-NC, N.E.C.	88	2431
4000	Metal Cutting Machine Tools, Used Or Rebuilt*	1231	13644
5000	Metal Cutting Machine Tools, Less Than $2500**	5592	3614
	TOTAL CUTTING	8230	86815
674:	METAL FORMING		
1011	Die Casting Machines & Parts	0	3880
3568	Metal Forming Machine Tools, Used Or Rebuilt	295	2602
3569	Metal Forming Machine Tools, Less Than $2500	1980	1351
3571	Punching & Shearing Machines, Incl. Combination, NC	31	4759
3573	Shearing Machines, Non-NC	38	964
3575	Punching & Combination Punching & Shearing Machines, Non-NC	242	6680
3578	Bending, Folding, Straightening & Flattening Machines, NC	30	991
3582	Press Brakes, Non-NC	25	1015
3583	Bending Rolls, Ram & Press Bending Machines, Non-NC	6	947
3584	Bending, Folding, Str. & Flattening Machines, Non-NC, N.E.C.	233	6890
3588	Mechanical Presses	94	7481
3589	Hydraulic Presses, Vertical, Single Action	17	1235
3590	Hydraulic & Pneumatic Presses	249	10525
3594	Headers & Upsetters, Non-NC	32	5918
3595	Forging Machines, Non-NC, N.E.C.	25	836
3598	Metal Forming Machine Tools, Non-NC, N.E.C.	295	15945
	TOTAL FORMING	3592	72008
	TOTAL ALL TYPES	11822	158823

*CODE 6744000 SHOWN ABOVE REPRESENTS COMBINED DATA FROM CODES 674: 3015, 3241, 3252, 3261, 3272, 3501, 3526, & 3554

**CODE 6745000 SHOWN ABOVE REPRESENTS COMBINED DATA FROM CODES 674: 3243, 3253, 3262, 3273, 3502, 3527, & 3557

U.S. EXPORTS OF MACHINE TOOLS YEAR TO DATE SUMMARY

TOTAL AND COUNTRIES OF DESTINATION BY TYPE OF MACHINE

MARCH 1988

674:	AUSTRIA		BELGIUM		DENMARK		FRANCE		IRELAND	
	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000
3020	0	0	0	0	0	0	0	0	0	0
3045	0	0	0	0	0	0	0	0	0	0
3204	0	0	6	615	0	0	5	363	0	0
3206	0	0	0	0	0	0	0	0	0	0
3209	0	0	0	0	0	0	0	0	0	0
3211	0	0	0	0	0	0	0	0	0	0
3216	0	0	0	0	0	0	0	0	0	0
3225	0	0	0	0	0	0	0	0	0	0
3245	0	0	0	0	0	0	0	0	0	0
3246	0	0	0	0	0	0	0	0	0	0
3247	0	0	0	0	0	0	0	0	0	0
3248	0	0	0	0	0	0	0	0	0	0
3249	0	0	0	0	0	0	0	0	0	0
3254	0	0	0	0	0	0	0	0	0	0
3255	0	0	0	0	0	0	0	0	0	0
3256	0	0	0	0	0	0	0	0	0	0
3257	0	0	0	0	0	0	0	0	0	0
3258	0	0	0	0	0	0	0	0	0	0
3264	0	0	0	0	0	0	0	0	0	0
3266	0	0	0	0	0	0	0	0	0	0
3267	0	0	0	0	0	0	0	0	0	0
3268	0	0	0	0	0	0	0	0	0	0
3269	0	0	0	0	0	0	0	0	0	0
3276	0	0	0	0	0	0	0	0	0	0
3277	0	0	0	0	0	0	0	0	0	0
3281	0	0	0	0	0	0	0	0	0	0
3283	0	0	0	0	0	0	0	0	0	0
3503	0	0	0	0	0	0	0	0	0	0
3505	1	78	7	525	0	0	0	0	0	0
3507	0	0	0	0	0	0	0	0	0	0
3509	0	0	0	0	0	0	0	0	0	0
3510	0	0	0	0	0	0	0	0	0	0
3511	0	0	0	0	0	0	0	0	0	0
3512	0	0	0	0	0	0	0	0	0	0
3515	0	0	0	0	0	0	1	22	0	0
3516	0	0	0	0	0	0	0	0	0	0
3518	0	0	0	0	0	0	0	0	0	0
3521	0	0	0	0	0	0	0	0	1	235
3523	0	0	0	0	0	0	0	0	0	0
3525	0	0	0	0	0	0	0	0	0	0
3528	0	0	0	0	1	25	0	0	0	0
3529	0	0	0	0	0	0	0	0	0	0
3531	0	0	0	0	0	0	0	0	0	0
3532	1	14	10	85	1	14	15	158	0	0
3533	0	0	0	0	0	0	0	0	0	0
3538	0	0	0	0	0	0	0	0	0	0
3541	0	0	0	0	0	0	0	0	0	0
3542	0	0	0	0	0	0	1	189	0	0
3544	3	41	0	0	0	0	0	0	3	41
3546	0	0	0	0	0	0	0	0	0	0
3547	0	0	0	0	0	0	0	0	0	0
3549	2	5	1	2	0	0	1	82	0	0
3551	0	0	0	0	0	0	0	0	0	0
3553	0	0	0	0	0	0	0	0	0	0
3559	0	0	0	0	0	0	0	0	0	0
3565	1	10	0	0	0	0	1	6	0	0
3566	0	0	0	0	0	0	0	0	0	0
3567	0	0	0	0	1	165	0	0	0	0
4000	0	0	4	38	0	0	2	107	0	0
5000	20	14	43	62	0	0	86	59	0	0
CUT YTD	28	162	71	1327	3	204	112	986	4	276
1011	0	13	0	0	0	2	0	64	0	0
3568	0	0	0	0	0	0	1	34	0	0
3569	0	0	26	5	0	0	95	28	0	0
3571	0	0	0	0	0	0	0	0	0	0
3573	0	0	0	0	0	0	1	235	0	0
3575	0	0	1	40	1	25	15	609	6	137
3578	0	0	0	0	0	0	0	0	0	0
3582	0	0	0	0	0	0	0	0	0	0
3583	0	0	0	0	0	0	0	0	0	0
3584	1	79	1	5	1	14	7	561	2	13
3588	0	0	0	0	3	87	0	0	0	0
3589	0	0	0	0	0	0	1	577	0	0
3590	0	0	0	0	0	0	2	23	0	0
3594	0	0	0	0	0	0	0	0	0	0
3595	0	0	0	0	0	0	0	0	0	0
3598	0	0	5	148	0	0	15	935	0	0
FRM YTD	1	92	33	198	5	128	137	3066	8	150
TOT YTD	29	254	104	1525	8	332	249	4052	12	426

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TOTAL AND COUNTRIES OF DESTINATION BY TYPE OF MACHINE
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	ITALY		NETHERLANDS		POLAND		SPAIN		SWEDEN	
674:	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000
3020	2	201	0	0	0	0	0	0	0	0
3045	0	0	0	0	0	0	0	0	0	0
3204	0	0	0	0	0	0	0	0	0	0
3206	0	0	0	0	0	0	0	0	0	0
3209	0	0	0	0	0	0	0	0	0	0
3211	1	123	0	0	0	0	0	0	0	0
3216	0	0	0	0	0	0	0	0	0	0
3225	0	0	0	0	0	0	0	0	0	0
3245	0	0	0	0	0	0	0	0	0	0
3246	0	0	0	0	0	0	0	0	0	0
3247	0	0	0	0	0	0	0	0	0	0
3248	0	0	0	0	0	0	0	0	0	0
3249	0	0	0	0	0	0	0	0	0	0
3254	0	0	0	0	0	0	0	0	0	0
3255	1	92	0	0	0	0	0	0	0	0
3256	0	0	0	0	0	0	0	0	0	0
3257	0	0	0	0	0	0	0	0	0	0
3258	0	0	0	0	0	0	1	60	1	90
3264	0	0	0	0	0	0	0	0	0	0
3266	0	0	0	0	0	0	0	0	0	0
3267	0	0	0	0	0	0	0	0	0	0
3268	0	0	0	0	0	0	0	0	0	0
3269	0	0	0	0	0	0	0	0	0	0
3276	0	0	0	0	0	0	0	0	0	0
3277	0	0	0	0	0	0	0	0	0	0
3281	0	0	0	0	0	0	0	0	0	0
3283	2	17	0	0	0	0	0	0	0	0
3503	0	0	0	0	0	0	0	0	0	0
3505	0	0	0	0	0	0	0	0	0	0
3507	0	0	0	0	0	0	0	0	0	0
3509	0	0	0	0	0	0	0	0	0	0
3510	0	0	0	0	0	0	0	0	0	0
3511	0	0	0	0	0	0	0	0	0	0
3512	0	0	0	0	0	0	0	0	0	0
3515	0	0	0	0	0	0	0	0	0	0
3516	0	0	0	0	0	0	3	131	0	0
3518	0	0	1	3	0	0	0	0	2	23
3521	0	0	0	0	0	0	0	0	0	0
3523	0	0	0	0	0	0	0	0	0	0
3525	0	0	0	0	0	0	0	0	0	0
3528	5	998	1	263	0	0	0	0	0	0
3529	1	40	0	0	0	0	0	0	0	0
3531	0	0	0	0	0	0	0	0	0	0
3532	15	160	6	63	0	0	9	64	1	4
3533	0	0	0	0	0	0	0	0	0	0
3538	9	101	0	0	0	0	0	0	0	0
3541	0	0	0	0	0	0	0	0	0	0
3542	0	0	1	124	0	0	0	0	0	0
3544	5	127	8	97	0	0	0	0	1	152
3546	0	0	1	185	0	0	1	18	0	0
3547	0	0	0	0	0	0	0	0	0	0
3549	8	13	0	0	0	0	2	4	3	31
3551	0	0	0	0	0	0	0	0	0	0
3553	0	0	0	0	0	0	0	0	0	0
3559	0	0	0	0	0	0	1	368	0	0
3565	2	44	3	107	0	0	0	0	0	0
3566	0	0	0	0	0	0	0	0	0	0
3567	0	0	0	0	0	0	5	21	0	0
4000	60	733	9	15	0	0	2	38	2	167
5000	1	2	60	47	0	0	152	35	62	67
CUT YTD	112	2651	90	904	0	0	176	739	72	534
1011	0	14	0	32	0	0	0	0	0	0
3568	5	73	0	0	0	0	0	0	0	0
3569	11	9	0	0	0	0	0	0	10	2
3571	0	0	4	687	0	0	0	0	0	0
3573	1	61	0	0	0	0	0	0	0	0
3575	0	0	1	37	0	0	0	0	7	89
3578	1	16	0	0	0	0	1	30	0	0
3582	0	0	0	0	0	0	0	0	0	0
3583	0	0	0	0	0	0	0	0	0	0
3584	9	261	0	0	0	0	1	25	5	61
3588	2	516	2	42	0	0	0	0	0	0
3589	0	0	0	0	0	0	0	0	1	31
3590	1	11	4	46	0	0	1	53	0	0
3594	1	203	0	0	0	0	1	112	0	0
3595	0	0	1	59	0	0	0	0	0	0
3598	9	203	12	232	0	0	0	0	3	99
FRM YTD	40	1367	24	1135	0	0	4	220	26	282
TOT YTD	152	4018	114	2039	0	0	180	959	98	816

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TOTAL AND COUNTRIES OF DESTINATION BY TYPE OF MACHINE
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	SWITZERLAND		U. KINGDOM		USSR		W. GERMANY		YUGOSLAVIA	
674:	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000
3020	0	0	0	0	0	0	1	245	0	0
3045	0	0	0	0	0	0	1	80	0	0
3204	0	0	1	47	0	0	1	150	0	0
3206	0	0	0	0	0	0	0	0	0	0
3209	0	0	1	350	0	0	0	0	0	0
3211	0	0	1	83	0	0	0	0	0	0
3216	0	0	0	0	0	0	0	0	0	0
3225	0	0	0	0	0	0	0	0	0	0
3245	0	0	0	0	0	0	0	0	0	0
3246	0	0	0	0	0	0	0	0	0	0
3247	0	0	0	0	0	0	0	0	0	0
3248	0	0	0	0	0	0	0	0	0	0
3249	0	0	0	0	0	0	0	0	0	0
3254	0	0	0	0	0	0	0	0	0	0
3255	0	0	0	0	0	0	0	0	0	0
3256	0	0	0	0	0	0	0	0	0	0
3257	0	0	0	0	0	0	0	0	0	0
3258	0	0	1	3	0	0	0	0	0	0
3264	0	0	0	0	0	0	0	0	0	0
3266	0	0	0	0	0	0	0	0	0	0
3267	0	0	0	0	0	0	0	0	0	0
3268	0	0	0	0	0	0	0	0	0	0
3269	0	0	0	0	0	0	0	0	0	0
3276	0	0	0	0	0	0	0	0	0	0
3277	2	38	0	0	0	0	5	83	0	0
3281	0	0	0	0	0	0	0	0	0	0
3283	0	0	2	317	0	0	1	13	0	0
3503	0	0	0	0	0	0	0	0	0	0
3505	0	0	8	427	0	0	0	0	0	0
3507	0	0	5	652	0	0	0	0	0	0
3509	0	0	0	0	0	0	0	0	0	0
3510	1	3	0	0	0	0	1	220	0	0
3511	0	0	0	0	0	0	0	0	0	0
3512	0	0	0	0	0	0	0	0	0	0
3515	0	0	4	47	0	0	0	0	0	0
3516	0	0	0	0	0	0	0	0	0	0
3518	6	53	3	24	0	0	0	0	0	0
3521	0	0	0	0	0	0	0	0	0	0
3523	0	0	0	0	0	0	0	0	0	0
3525	0	0	1	20	0	0	1	21	0	0
3528	0	0	5	374	0	0	7	1006	0	0
3529	0	0	4	156	0	0	7	154	0	0
3531	2	7	1	6	0	0	8	78	0	0
3532	0	0	6	70	6	67	42	395	0	0
3533	0	0	0	0	0	0	0	0	0	0
3538	1	337	0	0	0	0	1	18	0	0
3541	0	0	0	0	0	0	1	100	0	0
3542	0	0	3	98	0	0	1	253	0	0
3544	5	55	6	125	0	0	15	898	0	0
3546	0	0	1	461	0	0	1	6	0	0
3547	0	0	1	58	0	0	1	129	0	0
3549	2	54	9	78	0	0	2	3	0	0
3551	0	0	0	0	0	0	1	65	0	0
3553	0	0	0	0	0	0	0	0	0	0
3559	0	0	4	423	0	0	0	0	0	0
3565	0	0	7	116	0	0	0	0	0	0
3566	0	0	1	25	0	0	0	0	0	0
3567	1	6	0	0	0	0	4	135	0	0
4000	3	250	10	2069	0	0	1	89	0	0
5000	51	44	742	476	0	0	197	220	0	0
CUT YTD	84	847	847	6505	6	67	300	4361	0	0
1011	0	42	0	460	0	0	0	592	0	123
3568	0	0	6	302	0	0	1	30	0	0
3569	11	9	23	27	0	0	586	355	0	0
3571	0	0	2	93	0	0	3	465	1	205
3573	0	0	0	0	0	0	0	0	0	0
3575	0	0	7	222	0	0	11	577	0	0
3578	0	0	1	33	0	0	1	82	0	0
3582	0	0	0	0	0	0	0	0	0	0
3583	0	0	0	0	0	0	0	0	0	0
3584	0	0	11	176	0	0	21	599	0	0
3588	0	0	5	1300	0	0	0	0	0	0
3589	2	71	1	112	2	52	0	0	0	0
3590	0	0	9	454	0	0	10	717	0	0
3594	0	0	0	0	0	0	15	2824	0	0
3595	0	0	0	0	0	0	0	0	0	0
3598	4	80	16	918	0	0	4	19	0	0
FRM YTD	17	202	81	4097	2	52	652	6260	1	328
TOT YTD	101	1049	928	10602	8	119	952	10621	1	328

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TOTAL AND COUNTRIES OF DESTINATION BY TYPE OF MACHINE
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	OTH. EUROPE		CANADA		MEXICO		OTH. N & C		ARGENTINA	
674:	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000
3020	0	0	38	1400	0	0	0	0	0	0
3045	0	0	0	0	0	0	0	0	0	0
3204	0	0	6	611	1	26	0	0	0	0
3206	0	0	1	95	0	0	0	0	0	0
3209	0	0	0	0	0	0	0	0	0	0
3211	1	53	4	484	9	250	0	0	0	0
3216	0	0	2	1601	0	0	0	0	0	0
3225	0	0	1	108	0	0	0	0	0	0
3245	0	0	0	0	0	0	0	0	0	0
3246	0	0	0	0	0	0	0	0	0	0
3247	1	512	0	0	0	0	0	0	0	0
3248	0	0	1	150	0	0	0	0	0	0
3249	0	0	0	0	2	41	1	12	0	0
3254	0	0	1	23	0	0	0	0	0	0
3255	0	0	1	58	2	99	0	0	0	0
3256	0	0	0	0	2	49	0	0	0	0
3257	0	0	0	0	1	14	0	0	0	0
3258	0	0	2	22	13	241	2	6	0	0
3264	0	0	1	169	0	0	0	0	0	0
3266	0	0	3	809	0	0	0	0	0	0
3267	0	0	1	44	0	0	0	0	0	0
3268	0	0	0	0	0	0	0	0	0	0
3269	0	0	4	918	21	342	1	19	0	0
3276	0	0	0	0	0	0	0	0	0	0
3277	0	0	0	0	6	809	0	0	0	0
3281	0	0	0	0	1	85	0	0	0	0
3283	0	0	6	683	4	139	3	31	0	0
3503	0	0	1	75	1	105	0	0	0	0
3505	0	0	4	202	0	0	0	0	3	247
3507	0	0	1	103	0	0	0	0	1	179
3509	0	0	0	0	4	590	0	0	0	0
3510	0	0	3	33	10	33	2	10	0	0
3511	0	0	1	328	0	0	0	0	0	0
3512	0	0	2	175	0	0	0	0	0	0
3515	0	0	6	51	0	0	0	0	0	0
3516	0	0	1	40	2	80	0	0	0	0
3518	3	36	4	30	32	394	1	4	0	0
3521	0	0	0	0	0	0	0	0	0	0
3523	0	0	0	0	0	0	0	0	0	0
3525	0	0	2	260	15	572	0	0	0	0
3528	0	0	3	399	0	0	0	0	0	0
3529	0	0	2	29	2	30	0	0	0	0
3531	0	0	46	408	11	125	0	0	0	0
3532	6	55	5	64	7	66	1	21	0	0
3533	0	0	7	73	2	6	0	0	0	0
3538	0	0	6	91	20	254	0	0	0	0
3541	0	0	2	38	1	99	0	0	0	0
3542	0	0	1	382	0	0	1	21	0	0
3544	0	0	17	1399	5	70	0	0	0	0
3546	0	0	10	1808	20	183	0	0	0	0
3547	0	0	0	0	0	0	0	0	0	0
3549	0	0	16	98	8	66	0	0	1	2
3551	1	50	1	24	1	42	0	0	0	0
3553	0	0	4	240	2	39	0	0	0	0
3559	0	0	23	611	1	111	0	0	0	0
3565	0	0	33	286	43	425	0	0	0	0
3566	0	0	0	0	0	0	0	0	0	0
3567	0	0	9	195	31	1050	1	3	0	0
4000	8	277	183	1113	649	4257	26	74	0	0
5000	105	67	1981	967	261	235	99	68	36	22
CUT YTD	125	1050	2446	16797	1190	10927	138	269	41	450
1011	0	199	0	1333	0	283	0	23	0	0
3568	0	0	71	391	184	1216	1	43	8	210
3569	0	0	790	468	230	302	5	6	0	0
3571	1	28	11	2171	0	0	0	0	1	128
3573	0	0	3	127	3	17	0	0	0	0
3575	0	0	28	493	28	781	1	7	0	0
3578	8	161	2	32	0	0	3	119	0	0
3582	0	0	7	437	2	6	0	0	0	0
3583	0	0	1	54	4	84	0	0	0	0
3584	8	178	66	1025	32	597	0	0	1	35
3588	1	108	9	632	28	609	0	0	4	98
3589	0	0	0	0	6	163	0	0	0	0
3590	0	0	14	1234	144	2570	0	0	0	0
3594	0	0	1	73	1	119	0	0	0	0
3595	0	0	2	45	13	328	0	0	0	0
3598	0	0	87	3103	44	659	1	9	3	77
FRM YTD	18	674	1112	11618	719	7734	11	207	17	548
TOT YTD	143	1724	3558	28415	1909	18661	149	476	58	998

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	BRAZIL		COLOMBIA		VENEZUELA		OTH. S. AM		CHINA	
674:	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000
3020	0	0	0	0	0	0	0	0	0	0
3045	2	294	2	119	0	0	0	0	0	0
3204	0	0	0	0	1	25	0	0	0	0
3206	0	0	0	0	4	899	0	0	0	0
3209	0	0	0	0	1	300	0	0	0	0
3211	0	0	0	0	0	0	0	0	0	0
3216	0	0	0	0	0	0	0	0	0	0
3225	0	0	0	0	0	0	0	0	0	0
3245	0	0	0	0	0	0	0	0	1	425
3246	0	0	0	0	0	0	0	0	0	0
3247	0	0	0	0	0	0	0	0	0	0
3248	0	0	0	0	0	0	0	0	0	0
3249	0	0	0	0	0	0	0	0	0	0
3254	0	0	0	0	0	0	0	0	0	0
3255	0	0	0	0	0	0	0	0	0	0
3256	0	0	0	0	0	0	0	0	0	0
3257	0	0	0	0	0	0	0	0	0	0
3258	1	6	1	5	0	0	3	26	0	0
3264	0	0	0	0	0	0	0	0	1	121
3266	0	0	0	0	4	84	0	0	0	0
3267	0	0	0	0	0	0	0	0	0	0
3268	0	0	0	0	0	0	0	0	0	0
3269	1	81	0	0	0	0	1	17	0	0
3276	0	0	0	0	0	0	0	0	0	0
3277	1	20	0	0	0	0	0	0	1	130
3281	0	0	0	0	0	0	0	0	0	0
3283	0	0	0	0	1	80	0	0	0	0
3503	0	0	0	0	5	937	0	0	0	0
3505	0	0	0	0	4	505	0	0	0	0
3507	0	0	0	0	0	0	0	0	0	0
3509	0	0	0	0	0	0	0	0	0	0
3510	0	0	0	0	0	0	0	0	1	14
3511	0	0	0	0	8	614	0	0	0	0
3512	0	0	0	0	0	0	0	0	0	0
3515	0	0	0	0	0	0	0	0	0	0
3516	0	0	0	0	0	0	0	0	0	0
3518	0	0	0	0	3	41	0	0	0	0
3521	0	0	0	0	0	0	0	0	0	0
3523	0	0	0	0	0	0	0	0	0	0
3525	0	0	0	0	1	20	0	0	0	0
3528	0	0	0	0	0	0	0	0	1	282
3529	0	0	0	0	1	33	0	0	0	0
3531	1	50	1	4	2	12	0	0	4	318
3532	0	0	1	16	0	0	0	0	8	166
3533	0	0	0	0	0	0	0	0	6	69
3538	3	566	0	0	2	12	0	0	2	68
3541	0	0	0	0	1	136	0	0	0	0
3542	0	0	0	0	0	0	0	0	0	0
3544	4	28	0	0	0	0	0	0	0	0
3546	0	0	0	0	3	202	0	0	0	0
3547	0	0	0	0	0	0	0	0	0	0
3549	0	0	0	0	1	16	0	0	0	0
3551	0	0	0	0	0	0	0	0	0	0
3553	0	0	0	0	0	0	2	235	0	0
3559	1	36	0	0	1	24	0	0	0	0
3565	0	0	2	12	0	0	0	0	4	64
3566	0	0	0	0	1	34	0	0	0	0
3567	0	0	0	0	3	8	0	0	0	0
4000	0	0	10	143	16	68	3	70	2	112
5000	3	2	0	0	251	245	35	25	5	6
CUT YTD	17	1083	17	299	314	4295	44	173	36	1775
1011	0	66	0	9	0	47	0	135	0	0
3568	5	151	1	20	1	7	0	0	0	0
3569	4	4	0	0	41	19	10	6	0	0
3571	0	0	0	0	1	258	0	0	1	274
3573	0	0	0	0	1	33	0	0	0	0
3575	2	34	0	0	8	111	3	27	0	0
3578	0	0	0	0	3	99	0	0	5	191
3582	0	0	0	0	0	0	0	0	0	0
3583	0	0	0	0	0	0	0	0	0	0
3584	0	0	2	15	1	125	1	34	15	650
3588	0	0	1	26	4	50	0	0	0	0
3589	0	0	0	0	0	0	0	0	0	0
3590	0	0	0	0	2	153	0	0	2	11
3594	7	1702	1	123	0	0	0	0	0	0
3595	0	0	0	0	4	311	2	31	0	0
3598	4	47	2	68	4	1086	2	47	4	499
FRM YTD	22	2004	7	261	70	2299	18	280	27	1625
TOT YTD	39	3087	24	560	384	6594	62	653	63	3400

U.S. EXPORTS OF MACHINE TOOLS YEAR TO DATE SUMMARY
TOTAL AND COUNTRIES OF DESTINATION BY TYPE OF MACHINE
MARCH 1988

	HONG KONG		INDIA		INDONESIA		ISRAEL		JAPAN	
674:	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000
3020	0	0	0	0	0	0	8	120	1	240
3045	0	0	0	0	0	0	0	0	5	1098
3204	0	0	0	0	0	0	0	0	0	0
3206	0	0	0	0	0	0	0	0	0	0
3209	0	0	0	0	0	0	0	0	0	0
3211	0	0	0	0	0	0	0	0	0	0
3216	0	0	0	0	0	0	0	0	1	560
3225	0	0	0	0	0	0	0	0	0	0
3245	0	0	0	0	0	0	0	0	0	0
3246	0	0	0	0	0	0	0	0	0	0
3247	0	0	0	0	0	0	0	0	0	0
3248	0	0	0	0	0	0	0	0	0	0
3249	0	0	1	7	0	0	0	0	0	0
3254	0	0	0	0	0	0	0	0	0	0
3255	0	0	0	0	0	0	0	0	0	0
3256	0	0	0	0	0	0	0	0	0	0
3257	0	0	0	0	0	0	0	0	0	0
3258	0	0	0	0	0	0	0	0	0	0
3264	0	0	0	0	0	0	0	0	0	0
3266	0	0	0	0	0	0	0	0	0	0
3267	0	0	0	0	0	0	0	0	0	0
3268	0	0	0	0	0	0	0	0	0	0
3269	0	0	0	0	0	0	0	0	5	429
3276	0	0	0	0	0	0	0	0	0	0
3277	1	14	0	0	6	109	0	0	0	0
3281	0	0	0	0	0	0	0	0	0	0
3283	0	0	0	0	0	0	0	0	1	126
3503	0	0	0	0	0	0	0	0	5	541
3505	2	215	0	0	0	0	0	0	2	329
3507	0	0	0	0	0	0	0	0	0	0
3509	0	0	0	0	0	0	0	0	0	0
3510	0	0	0	0	0	0	0	0	4	41
3511	0	0	0	0	0	0	0	0	0	0
3512	0	0	0	0	0	0	0	0	0	0
3515	0	0	0	0	0	0	0	0	0	0
3516	0	0	0	0	0	0	0	0	0	0
3518	1	3	0	0	0	0	2	36	8	479
3521	0	0	0	0	0	0	0	0	0	0
3523	0	0	0	0	0	0	0	0	0	0
3525	0	0	0	0	3	48	0	0	2	89
3528	0	0	0	0	0	0	0	0	3	809
3529	0	0	0	0	0	0	0	0	0	0
3531	7	41	0	0	0	0	0	0	0	0
3532	3	34	0	0	0	0	1	10	1	23
3533	0	0	0	0	0	0	0	0	0	0
3538	0	0	0	0	0	0	14	2986	1	10
3541	0	0	0	0	0	0	0	0	0	0
3542	0	0	0	0	0	0	0	0	0	0
3544	2	9	0	0	0	0	0	0	3	360
3546	0	0	0	0	0	0	0	0	4	11
3547	0	0	0	0	0	0	0	0	0	0
3549	0	0	0	0	0	0	0	0	0	0
3551	0	0	0	0	0	0	0	0	0	0
3553	0	0	0	0	0	0	0	0	10	208
3559	0	0	5	400	0	0	1	13	0	0
3565	0	0	1	17	0	0	2	27	7	193
3566	0	0	0	0	0	0	0	0	0	0
3567	0	0	0	0	0	0	1	3	0	0
4000	7	72	18	349	17	132	4	36	3	16
5000	103	74	84	50	0	0	39	24	548	298
CUT YTD	126	462	109	823	26	289	72	3255	614	5860
1011	0	31	0	42	0	0	0	0	0	53
3568	0	0	2	33	0	0	0	0	0	0
3569	21	18	0	0	5	4	0	0	21	18
3571	0	0	0	0	0	0	0	0	0	0
3573	1	20	0	0	0	0	1	35	5	75
3575	2	19	1	15	0	0	0	0	31	714
3578	0	0	0	0	0	0	0	0	3	194
3582	0	0	1	49	0	0	0	0	1	30
3583	0	0	0	0	0	0	0	0	0	0
3584	4	34	1	14	0	0	1	16	19	654
3588	4	93	0	0	0	0	0	0	11	2493
3589	0	0	1	35	0	0	0	0	1	52
3590	1	5	1	5	0	0	2	24	14	3344
3594	0	0	0	0	0	0	1	389	0	0
3595	0	0	0	0	0	0	0	0	1	10
3598	19	454	2	38	0	0	1	467	18	2800
FRM YTD	52	674	9	231	5	4	6	931	125	10437
TOT YTD	178	1136	118	1054	31	293	78	4186	739	16297

U.S. EXPORTS OF MACHINE TOOLS YEAR TO DATE SUMMARY
TOTAL AND COUNTRIES OF DESTINATION BY TYPE OF MACHINE
MARCH 1988

	KOREAN REP.		PAKISTAN		S. ARABIA		SINGAPORE		TAIWAN	
674:	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000
3020	3	694	0	0	0	0	0	0	0	0
3045	0	0	0	0	0	0	0	0	0	0
3204	13	402	0	0	0	0	0	0	8	180
3206	0	0	0	0	0	0	0	0	0	0
3209	0	0	0	0	0	0	0	0	0	0
3211	0	0	1	49	0	0	0	0	0	0
3216	3	4320	0	0	0	0	0	0	0	0
3225	0	0	0	0	0	0	0	0	0	0
3245	0	0	0	0	0	0	0	0	0	0
3246	0	0	0	0	0	0	0	0	0	0
3247	0	0	0	0	0	0	0	0	0	0
3248	0	0	0	0	0	0	0	0	0	0
3249	0	0	0	0	0	0	0	0	0	0
3254	1	254	0	0	0	0	0	0	0	0
3255	0	0	0	0	0	0	0	0	0	0
3256	0	0	1	48	0	0	2	67	0	0
3257	0	0	0	0	0	0	0	0	0	0
3258	0	0	0	0	0	0	0	0	0	0
3264	0	0	0	0	0	0	0	0	0	0
3266	0	0	0	0	0	0	0	0	0	0
3267	0	0	0	0	0	0	0	0	0	0
3268	0	0	0	0	0	0	0	0	0	0
3269	0	0	0	0	0	0	0	0	0	0
3276	0	0	0	0	0	0	0	0	0	0
3277	0	0	0	0	0	0	0	0	0	0
3281	0	0	0	0	0	0	0	0	0	0
3283	7	147	0	0	0	0	0	0	0	0
3503	0	0	0	0	0	0	0	0	0	0
3505	0	0	0	0	0	0	0	0	0	0
3507	0	0	0	0	0	0	0	0	0	0
3509	0	0	0	0	0	0	0	0	0	0
3510	1	19	0	0	0	0	0	0	0	0
3511	0	0	0	0	0	0	0	0	3	377
3512	1	186	0	0	0	0	0	0	0	0
3515	0	0	0	0	0	0	0	0	0	0
3516	0	0	0	0	0	0	0	0	0	0
3518	1	279	0	0	2	29	0	0	2	13
3521	0	0	0	0	0	0	0	0	0	0
3523	0	0	0	0	0	0	0	0	2	57
3525	0	0	0	0	0	0	0	0	1	58
3528	7	1473	0	0	0	0	1	287	2	49
3529	6	290	0	0	0	0	0	0	0	0
3531	0	0	0	0	0	0	0	0	1	14
3532	9	150	0	0	0	0	0	0	2	18
3533	7	196	0	0	0	0	0	0	0	0
3538	6	677	1	10	0	0	3	200	4	383
3541	0	0	0	0	0	0	0	0	0	0
3542	0	0	0	0	0	0	0	0	0	0
3544	2	410	0	0	4	44	7	87	0	0
3546	3	529	0	0	0	0	0	0	2	70
3547	0	0	0	0	0	0	0	0	0	0
3549	0	0	0	0	0	0	0	0	1	12
3551	0	0	0	0	0	0	0	0	0	0
3553	5	137	0	0	0	0	0	0	0	0
3559	0	0	0	0	0	0	0	0	0	0
3565	4	60	0	0	4	64	0	0	7	190
3566	0	0	0	0	0	0	0	0	0	0
3567	20	129	0	0	1	10	4	18	3	38
4000	22	1708	65	278	5	42	20	609	13	92
5000	134	98	0	0	99	95	111	81	140	59
CUT YTD	255	12158	68	385	115	284	148	1349	191	1610
1011	0	27	0	0	0	0	0	7	0	161
3568	0	0	0	0	0	0	5	50	0	0
3569	6	5	0	0	13	11	24	21	12	10
3571	0	0	0	0	0	0	0	0	0	0
3573	0	0	0	0	0	0	0	0	0	0
3575	43	989	0	0	0	0	1	4	4	432
3578	2	34	0	0	0	0	0	0	0	0
3582	0	0	0	0	0	0	0	0	1	33
3583	1	809	0	0	0	0	0	0	0	0
3584	3	119	0	0	1	8	0	0	2	51
3588	11	1166	0	0	0	0	3	67	1	121
3589	1	90	0	0	0	0	0	0	0	0
3590	1	272	0	0	0	0	0	0	8	692
3594	3	345	1	28	0	0	0	0	0	0
3595	2	52	0	0	0	0	0	0	0	0
3598	12	586	0	0	1	81	6	211	8	1599
FRM YTD	85	4494	1	28	15	100	39	360	36	3099
TOT YTD	340	16652	69	413	130	384	187	1709	227	4709

U.S. EXPORTS OF MACHINE TOOLS YEAR TO DATE SUMMARY
TOTAL AND COUNTRIES OF DESTINATION BY TYPE OF MACHINE
MARCH 1988

	TURKEY		OTHER ASIA		AUSTRALIA		NEW ZEALAND		OTH OCEANIA	
674:	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000
3020	0	0	0	0	0	0	0	0	0	0
3045	0	0	0	0	0	0	0	0	0	0
3204	0	0	0	0	0	0	0	0	0	0
3206	0	0	0	0	0	0	0	0	0	0
3209	0	0	0	0	0	0	0	0	0	0
3211	0	0	0	0	1	50	0	0	0	0
3216	0	0	0	0	0	0	0	0	0	0
3225	0	0	0	0	0	0	0	0	0	0
3245	0	0	0	0	0	0	0	0	0	0
3246	0	0	0	0	0	0	0	0	0	0
3247	0	0	0	0	0	0	0	0	0	0
3248	0	0	0	0	0	0	0	0	0	0
3249	0	0	0	0	0	0	0	0	0	0
3254	0	0	0	0	0	0	0	0	0	0
3255	0	0	0	0	0	0	0	0	0	0
3256	1	85	1	5	0	0	0	0	0	0
3257	0	0	0	0	0	0	0	0	0	0
3258	0	0	0	0	0	0	0	0	0	0
3264	1	59	0	0	0	0	0	0	0	0
3266	0	0	0	0	0	0	0	0	0	0
3267	0	0	0	0	0	0	0	0	0	0
3268	0	0	0	0	0	0	0	0	0	0
3269	0	0	0	0	0	0	0	0	0	0
3276	0	0	0	0	0	0	0	0	0	0
3277	0	0	0	0	0	0	0	0	0	0
3281	0	0	0	0	0	0	0	0	0	0
3283	0	0	1	11	0	0	0	0	0	0
3503	0	0	0	0	0	0	0	0	0	0
3505	0	0	0	0	0	0	0	0	0	0
3507	0	0	0	0	0	0	0	0	0	0
3509	0	0	0	0	0	0	0	0	0	0
3510	0	0	0	0	0	0	0	0	0	0
3511	0	0	0	0	0	0	0	0	0	0
3512	0	0	0	0	0	0	0	0	0	0
3515	0	0	0	0	0	0	0	0	0	0
3516	0	0	0	0	0	0	0	0	0	0
3518	0	0	0	0	5	51	3	35	0	0
3521	0	0	0	0	0	0	0	0	0	0
3523	0	0	0	0	0	0	0	0	0	0
3525	0	0	0	0	0	0	0	0	0	0
3528	1	70	0	0	0	0	0	0	0	0
3529	1	197	0	0	0	0	0	0	0	0
3531	1	3	1	5	1	37	0	0	1	4
3532	0	0	5	107	3	24	0	0	0	0
3533	0	0	3	101	0	0	0	0	0	0
3538	0	0	2	105	0	0	0	0	0	0
3541	0	0	0	0	0	0	0	0	0	0
3542	1	564	0	0	0	0	0	0	0	0
3544	0	0	0	0	0	0	0	0	0	0
3546	0	0	0	0	0	0	0	0	0	0
3547	0	0	1	3	0	0	0	0	0	0
3549	0	0	1	3	0	0	0	0	0	0
3551	0	0	0	0	0	0	0	0	0	0
3553	0	0	0	0	0	0	0	0	0	0
3559	0	0	0	0	0	0	0	0	0	0
3565	0	0	1	3	0	0	0	0	0	0
3566	0	0	0	0	0	0	0	0	0	0
3567	0	0	1	494	3	156	0	0	0	0
4000	0	0	28	148	15	257	1	3	0	0
5000	14	9	35	54	48	57	12	9	0	0
CUT YTD	20	987	80	1039	76	632	16	47	1	4
1011	0	3	0	12	0	65	0	6	0	0
3568	1	3	3	39	0	0	0	0	0	0
3569	4	4	9	8	14	8	0	0	0	0
3571	0	0	0	0	6	450	0	0	0	0
3573	0	0	2	36	20	325	0	0	0	0
3575	0	0	31	1194	6	103	2	9	0	0
3578	0	0	0	0	0	0	0	0	0	0
3582	3	30	0	0	10	430	0	0	0	0
3583	0	0	0	0	0	0	0	0	0	0
3584	0	0	3	318	6	136	4	50	0	0
3588	0	0	5	73	0	0	0	0	0	0
3589	0	0	1	52	0	0	0	0	0	0
3590	0	0	7	494	6	417	0	0	0	0
3594	0	0	0	0	0	0	0	0	0	0
3595	0	0	0	0	0	0	0	0	0	0
3598	1	189	4	1166	4	125	0	0	0	0
FRM YTD	9	229	65	3392	72	2059	6	65	0	0
TOT YTD	29	1216	145	4431	148	2691	22	112	1	4

U.S. EXPORTS OF MACHINE TOOLS YEAR TO DATE SUMMARY
TOTAL AND COUNTRIES OF DESTINATION BY TYPE OF MACHINE
MARCH 1988

	EGYPT		REP. S. AFR		OTH. AFRICA	
674:	UNITS	$000	UNITS	$000	UNITS	$000
3020	0	0	0	0	0	0
3045	0	0	0	0	0	0
3204	0	0	0	0	0	0
3206	0	0	0	0	0	0
3209	0	0	0	0	0	0
3211	0	0	0	0	0	0
3216	0	0	0	0	0	0
3225	0	0	0	0	0	0
3245	0	0	0	0	0	0
3246	0	0	0	0	0	0
3247	0	0	0	0	0	0
3248	0	0	0	0	0	0
3249	0	0	0	0	0	0
3254	0	0	0	0	0	0
3255	0	0	0	0	0	0
3256	0	0	0	0	0	0
3257	0	0	0	0	0	0
3258	0	0	0	0	0	0
3264	0	0	0	0	0	0
3266	0	0	0	0	0	0
3267	0	0	0	0	0	0
3268	0	0	0	0	0	0
3269	1	227	0	0	0	0
3276	0	0	0	0	0	0
3277	0	0	0	0	0	0
3281	0	0	0	0	0	0
3283	0	0	0	0	0	0
3503	0	0	0	0	0	0
3505	0	0	1	64	0	0
3507	0	0	0	0	0	0
3509	0	0	0	0	0	0
3510	0	0	0	0	0	0
3511	0	0	0	0	0	0
3512	0	0	0	0	0	0
3515	0	0	0	0	0	0
3516	0	0	0	0	0	0
3518	0	0	0	0	0	0
3521	0	0	0	0	0	0
3523	0	0	0	0	0	0
3525	0	0	0	0	0	0
3528	0	0	2	60	0	0
3529	0	0	0	0	0	0
3531	0	0	0	0	0	0
3532	0	0	7	62	0	0
3533	0	0	0	0	0	0
3538	0	0	0	0	0	0
3541	0	0	0	0	0	0
3542	0	0	0	0	0	0
3544	0	0	0	0	0	0
3546	0	0	0	0	0	0
3547	0	0	0	0	0	0
3549	0	0	0	0	0	0
3551	0	0	0	0	0	0
3553	0	0	0	0	0	0
3559	0	0	0	0	0	0
3565	0	0	0	0	1	12
3566	0	0	0	0	0	0
3567	0	0	0	0	0	0
4000	0	0	1	270	2	12
5000	0	0	25	43	0	0
CUT YTD	1	227	36	499	3	24
1011	0	3	0	0	0	33
3568	0	0	0	0	0	0
3569	0	0	9	4	0	0
3571	0	0	0	0	0	0
3573	0	0	0	0	0	0
3575	0	0	0	0	2	12
3578	0	0	0	0	0	0
3582	0	0	0	0	0	0
3583	0	0	0	0	0	0
3584	0	0	1	14	3	1023
3588	0	0	0	0	0	0
3589	0	0	0	0	0	0
3590	0	0	0	0	0	0
3594	0	0	0	0	0	0
3595	0	0	0	0	0	0
3598	0	0	0	0	0	0
FRM YTD	0	3	10	18	5	1068
TOT YTD	1	230	46	517	8	1092

U.S. EXPORTS OF MACHINE TOOLS YEAR TO DATE SUMMARY TOTAL AND COUNTRIES OF DESTINATION
THE FOLLOWING IS A BREAKDOWN OF THE ACTIVITY BY COUNTRY WHICH IS INCLUDED IN THE
ALL OTHER COLUMNS
MARCH 1988

	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	$000	UNITS	$000	UNITS	$000
OTHER EUROPE						
AZORES	0	0	0	0	0	0
BULGARIA	4	275	0	196	4	471
CYPRUS	0	0	0	0	0	0
CZECHOSLOVAKIA	0	0	0	0	0	0
EAST GERMANY	0	0	1	28	1	28
FINLAND	14	18	11	284	25	302
GIBRALTAR	0	0	0	0	0	0
GREECE	4	45	0	0	4	45
HUNGARY	0	0	0	0	0	0
ICELAND	0	0	0	0	0	0
MALTA	0	0	0	0	0	0
NORWAY	100	176	4	70	104	246
PORTUGAL	3	536	2	96	5	632
ROMANIA	0	0	0	0	0	0
OTHER EUROPE	0	0	0	0	0	0
TOTAL	125	1050	18	674	143	1724
OTHER NORTH AND CENTRAL AMERICA						
BAHAMAS	53	35	2	77	55	112
BARBADOS	0	0	0	0	0	0
BELIZE	0	0	0	0	0	0
BERMUDA	8	6	0	0	8	6
CAYMAN ISLANDS	0	0	0	0	0	0
COSTA RICA	12	9	0	0	12	9
DOMINICAN REP.	9	74	7	56	16	130
FR. W. INDIES	0	0	0	0	0	0
GUATEMALA	11	47	0	0	11	47
HAITI	0	0	0	0	0	0
HONDURAS	0	0	0	0	0	0
JAMAICA	0	0	0	0	0	0
LW & WW IS.	0	0	0	0	0	0
NICARAGUA	0	0	0	0	0	0
N. ANTILLES	1	3	0	0	1	3
PANAMA	5	18	0	0	5	18
SALVADOR	29	18	2	74	31	92
TRINIDAD	5	24	0	0	5	24
TURK ISLAND	1	2	0	0	1	2
OTHER N & C AM.	4	33	0	0	4	33
TOTAL	138	269	11	207	149	476
OTHER SOUTH AMERICA						
BOLIVIA	29	21	0	0	29	21
CHILE	9	89	13	154	22	243
ECUADOR	0	0	1	66	1	66
FRENCH GUIANA	0	0	0	0	0	0
GUYANA	0	0	0	0	0	0
PARAGUAY	1	2	0	0	1	2
PERU	5	261	3	53	8	314
SURINAM	0	0	0	0	0	0
URAGUAY	0	0	1	7	1	7
OTHER S. AM.	0	0	0	0	0	0
TOTAL	44	373	18	280	62	653
OTHER OCEANIA						
FR. PAC. IS.	0	0	0	0	0	0
NEW GUINEA	0	0	0	0	0	0
SAMOA	0	0	0	0	0	0
TERR. PAC. IS.	0	0	0	0	0	0
OTH. PAC. IS.	0	0	0	0	0	0
OTHER OCEANIA	1	4	0	0	1	4
TOTAL	1	4	0	0	1	4

U.S. EXPORTS OF MACHINE TOOLS YEAR TO DATE SUMMARY TOTAL AND COUNTRIES OF DESTINATION
THE FOLLOWING IS A BREAKDOWN OF THE ACTIVITY BY COUNTRY WHICH IS INCLUDED IN THE
ALL OTHER COLUMNS
MARCH 1988

	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	$000	UNITS	$000	UNITS	$000
OTHER ASIA						
ADEN	0	0	0	0	0	0
AFGHANISTAN	0	0	0	0	0	0
ARAB EMIRATES	14	568	0	0	14	568
BAHRAIN	0	0	0	0	0	0
BANGALDESH	0	0	0	0	0	0
BRUNEI	0	0	0	0	0	0
BURMA	1	5	0	0	1	5
GAZA STRIP	0	0	0	0	0	0
IRAN	0	0	0	0	0	0
IRAQ	0	0	0	0	0	0
JORDAN	7	5	0	0	7	5
KUWAIT	5	10	1	283	6	293
LEBANON	0	0	0	0	0	0
MALAYSIA	22	227	34	1238	56	1465
NEPAL	0	0	0	0	0	0
OMAN	0	0	0	0	0	0
PHILIPPINES	17	157	5	111	22	268
QATAR	0	0	1	29	1	29
SRI LANKA	0	0	0	0	0	0
SYRIA	0	0	0	0	0	0
THAILAND	14	67	24	1731	38	1798
YEMEN	0	0	0	0	0	0
OTHER ASIA	0	0	0	0	0	0
TOTAL	80	1039	65	3392	145	4431
OTHER AFRICA						
AFARS & ISSAS	0	0	0	0	0	0
ALGERIA	0	0	0	0	0	0
ANGOLA	0	0	0	0	0	0
BENIN	0	0	0	0	0	0
BOTSWANA	0	0	0	0	0	0
CAMEROON	0	0	0	0	0	0
CANARY ISLANDS	0	0	0	0	0	0
DAHOMENY	0	0	0	0	0	0
ETHIOPIA	0	0	0	0	0	0
GABON	0	0	0	0	0	0
GHANA	0	0	0	0	0	0
GUINEA	1	12	0	0	1	12
IVORY COAST	0	0	0	0	0	0
KENYA	2	12	2	12	4	24
LESOTHO	0	0	0	0	0	0
LIBERIA	0	0	0	0	0	0
LIBYA	0	0	0	0	0	0
MALAGASY REP.	0	0	0	0	0	0
MALAWI	0	0	0	0	0	0
MAURITANIA	0	0	0	0	0	0
MAURITIUS	0	0	0	0	0	0
MOROCCO	0	0	3	1023	3	1023
MOZAMBIQUE	0	0	0	0	0	0
NIGER	0	0	0	0	0	0
NIGERIA	0	0	0	0	0	0
RWANDA	0	0	0	0	0	0
SENEGAL	0	0	0	0	0	0
SIERRA LEONE	0	0	0	0	0	0
SOMALIA	0	0	0	0	0	0
S. W. AFRICA	0	0	0	0	0	0
SUDAN	0	0	0	0	0	0
SWAZILAND	0	0	0	0	0	0
TANZANIA	0	0	0	0	0	0
TOGO	0	0	0	0	0	0
TUNISIA	0	0	0	24	0	24
UGANDA	0	0	0	0	0	0
ZAIRE	0	0	0	0	0	0
ZAMBIA	0	0	0	0	0	0
ZIMBABWE	0	0	0	9	0	9
OTH. WEST AFR.	0	0	0	0	0	0
OTHER AFRICA	0	0	0	0	0	0
TOTAL	3	24	5	1068	8	1092

SOURCE: U.S. DEPARTMENT OF COMMERCE CENSUS REPORT NO. EM522; NATIONAL MACHINE TOOL BUILDERS' ASSOCIATION

NOTES: 1)'0-' = DOLLAR AMOUNT LESS THAN $500. 2)N.E.C. - NOT ELSEWHERE CLASSIFIED. 3)INDIVIDUAL ITEMS MAY NOT ADD TO TOTALS DUE TO ROUNDING.